

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121523\
 Data File : VY016660.D
 Acq On : 15 Dec 2023 18:22
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

Quant Time: Dec 16 00:11:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 15 23:53:28 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	255172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	395882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	346548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	160580	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.149	65	304681	145.442	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 290.880%#	
35) Dibromofluoromethane	7.728	113	321339	151.327	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 302.660%#	
50) Toluene-d8	10.185	98	1258955	146.214	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 292.420%#	
62) 4-Bromofluorobenzene	12.489	95	403560	148.297	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 296.600%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.906	85	294017	147.844	ug/l	98
3) Chloromethane	2.119	50	435705	140.590	ug/l	97
4) Vinyl Chloride	2.253	62	531395	149.367	ug/l	96
5) Bromomethane	2.643	94	388733	152.664	ug/l	100
6) Chloroethane	2.796	64	345452	149.289	ug/l	98
7) Trichlorofluoromethane	3.131	101	589665	148.398	ug/l	99
8) Diethyl Ether	3.534	74	197587	159.188	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.905	101	366312	149.060	ug/l	94
10) Methyl Iodide	4.101	142	420712	164.491	ug/l	95
11) Tert butyl alcohol	4.960	59	119038	706.872	ug/l #	82
12) 1,1-Dichloroethene	3.875	96	356785	154.003	ug/l	90
13) Acrolein	3.729	56	81964	749.428	ug/l	98
14) Allyl chloride	4.485	41	488382	155.483	ug/l #	93
15) Acrylonitrile	5.167	53	395712	766.103	ug/l	97
16) Acetone	3.948	43	354429	778.887	ug/l #	88
17) Carbon Disulfide	4.204	76	1088064	148.493	ug/l	99
18) Methyl Acetate	4.478	43	302858	155.401	ug/l #	88
19) Methyl tert-butyl Ether	5.228	73	895510	164.857	ug/l	100
20) Methylene Chloride	4.728	84	372708	153.412	ug/l	86
21) trans-1,2-Dichloroethene	5.228	96	414692	153.639	ug/l	92
22) Diisopropyl ether	6.125	45	1056665	156.965	ug/l	88
23) Vinyl Acetate	6.070	43	2659391	801.734	ug/l #	90
24) 1,1-Dichloroethane	6.027	63	660603	150.376	ug/l	97
25) 2-Butanone	6.990	43	523359	776.989	ug/l #	89
26) 2,2-Dichloropropane	6.990	77	601833	154.306	ug/l	95
27) cis-1,2-Dichloroethene	6.996	96	459845	157.758	ug/l	89
28) Bromochloromethane	7.344	49	240093	148.463	ug/l	84
29) Tetrahydrofuran	7.356	42	320486	790.023	ug/l #	85
30) Chloroform	7.515	83	691185	151.288	ug/l	97
31) Cyclohexane	7.795	56	589909	143.180	ug/l	89
32) 1,1,1-Trichloroethane	7.710	97	631288	154.024	ug/l	97
36) 1,1-Dichloropropene	7.923	75	536237	152.465	ug/l	98
37) Ethyl Acetate	7.082	43	215104	148.409	ug/l #	93
38) Carbon Tetrachloride	7.905	117	550024	155.689	ug/l	99
39) Methylcyclohexane	9.191	83	721467	163.210	ug/l	91
40) Benzene	8.167	78	1618169	156.980	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121523\
 Data File : VY016660.D
 Acq On : 15 Dec 2023 18:22
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

Quant Time: Dec 16 00:11:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 15 23:53:28 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	112396m	146.032	ug/l	
42) 1,2-Dichloroethane	8.246	62	411271	156.104	ug/l	93
43) Isopropyl Acetate	8.277	43	439566	165.016	ug/l #	89
44) Trichloroethene	8.947	130	450024	156.755	ug/l	97
45) 1,2-Dichloropropane	9.222	63	375853	156.074	ug/l	98
46) Dibromomethane	9.313	93	213763	160.510	ug/l	99
47) Bromodichloromethane	9.502	83	536011	159.293	ug/l	98
48) Methyl methacrylate	9.301	41	249462	169.121	ug/l #	86
49) 1,4-Dioxane	9.307	88	46911	3288.281	ug/l #	67
51) 4-Methyl-2-Pentanone	10.075	43	1137145	813.953	ug/l	88
52) Toluene	10.252	92	1048164	162.331	ug/l	93
53) t-1,3-Dichloropropene	10.471	75	526303	165.796	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	618537	162.062	ug/l #	89
55) 1,1,2-Trichloroethane	10.648	97	295336	157.826	ug/l	95
56) Ethyl methacrylate	10.514	69	287796	177.387	ug/l #	82
57) 1,3-Dichloropropane	10.794	76	490926	157.637	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	873620	747.822	ug/l	93
59) 2-Hexanone	10.837	43	806188	703.382	ug/l	84
60) Dibromochloromethane	10.990	129	368576	162.523	ug/l	99
61) 1,2-Dibromoethane	11.093	107	283293	161.301	ug/l	99
64) Tetrachloroethene	10.727	164	448912	158.114	ug/l	97
65) Chlorobenzene	11.520	112	1073689	158.842	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.599	131	409772	165.759	ug/l	99
67) Ethyl Benzene	11.599	91	2004845	164.859	ug/l	98
68) m/p-Xylenes	11.709	106	1552381	330.889	ug/l	92
69) o-Xylene	12.038	106	721240	168.071	ug/l	94
70) Styrene	12.050	104	1065335	171.350	ug/l	96
71) Bromoform	12.215	173	223094	166.411	ug/l #	98
73) Isopropylbenzene	12.337	105	1878726	166.332	ug/l	99
74) N-amyl acetate	12.148	43	367350	173.521	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.587	83	301734	157.026	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	226074m	154.390	ug/l	
77) Bromobenzene	12.617	156	437713	165.406	ug/l	92
78) n-propylbenzene	12.678	91	2196293	162.681	ug/l	99
79) 2-Chlorotoluene	12.764	91	1189540	160.455	ug/l	97
80) 1,3,5-Trimethylbenzene	12.818	105	1503211	166.444	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	104540	162.416	ug/l	90
82) 4-Chlorotoluene	12.861	91	1236315	161.266	ug/l	97
83) tert-Butylbenzene	13.081	119	1296813	164.556	ug/l	96
84) 1,2,4-Trimethylbenzene	13.129	105	1505639	168.094	ug/l	97
85) sec-Butylbenzene	13.257	105	1857506	160.633	ug/l	99
86) p-Isopropyltoluene	13.373	119	1665635	168.709	ug/l	97
87) 1,3-Dichlorobenzene	13.373	146	846172	164.518	ug/l	100
88) 1,4-Dichlorobenzene	13.452	146	805352	159.240	ug/l	99
89) n-Butylbenzene	13.702	91	1477664	161.112	ug/l	97
90) Hexachloroethane	13.965	117	309422	157.461	ug/l	93
91) 1,2-Dichlorobenzene	13.745	146	711404	161.202	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	44447	159.814	ug/l	82
93) 1,2,4-Trichlorobenzene	15.013	180	417720	175.224	ug/l	99
94) Hexachlorobutadiene	15.117	225	214201	149.696	ug/l	99
95) Naphthalene	15.239	128	788899	150.271	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	345881	176.009	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121523\
Data File : VY016660.D
Acq On : 15 Dec 2023 18:22
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
Supervised By :Semsettin Yesilyurt 12/18/2023

Quant Time: Dec 16 00:11:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 15 23:53:28 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

