

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121623\
 Data File : VY016667.D
 Acq On : 16 Dec 2023 14:05
 Operator : SY/MD
 Sample : VY1216SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1216SBS02

Manual Integrations
 APPROVED

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

Quant Time: Dec 18 00:38:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 16 00:39:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	257446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	399836	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	344098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	160262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	112516	53.448	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.900%			
35) Dibromofluoromethane	7.722	113	120255	56.071	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.140%			
50) Toluene-d8	10.185	98	454292	53.571	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.140%			
62) 4-Bromofluorobenzene	12.489	95	145665	52.998	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	39628	19.751	ug/l	99
3) Chloromethane	2.113	50	63394	20.275	ug/l	97
4) Vinyl Chloride	2.253	62	77043	21.464	ug/l	97
5) Bromomethane	2.650	94	53838	20.957	ug/l	99
6) Chloroethane	2.796	64	50268	21.532	ug/l	94
7) Trichlorofluoromethane	3.125	101	85833	21.410	ug/l	96
8) Diethyl Ether	3.534	74	27001	21.561	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.899	101	51807	20.895	ug/l	96
10) Methyl Iodide	4.094	142	53448	20.713	ug/l	95
11) Tert butyl alcohol	4.954	59	20704	121.859	ug/l #	85
12) 1,1-Dichloroethene	3.875	96	49542	21.196	ug/l	85
13) Acrolein	3.735	56	16088	120.571	ug/l	96
14) Allyl chloride	4.485	41	64837	20.459	ug/l #	94
15) Acrylonitrile	5.173	53	53845	103.324	ug/l	99
16) Acetone	3.948	43	74943	138.092	ug/l #	88
17) Carbon Disulfide	4.198	76	147931	20.010	ug/l	100
18) Methyl Acetate	4.485	43	40672	20.685	ug/l #	89
19) Methyl tert-butyl Ether	5.228	73	116505	21.258	ug/l	95
20) Methylene Chloride	4.722	84	66675	22.361	ug/l	87
21) trans-1,2-Dichloroethene	5.228	96	56152	20.620	ug/l	87
22) Diisopropyl ether	6.125	45	141549	20.841	ug/l #	88
23) Vinyl Acetate	6.064	43	354911	106.051	ug/l #	91
24) 1,1-Dichloroethane	6.021	63	90458	20.409	ug/l	97
25) 2-Butanone	6.996	43	91578	121.909	ug/l	94
26) 2,2-Dichloropropane	6.984	77	81826	20.794	ug/l	95
27) cis-1,2-Dichloroethene	6.990	96	62256	21.169	ug/l	89
28) Bromochloromethane	7.344	49	31434	21.761	ug/l	86
29) Tetrahydrofuran	7.350	42	44027	107.571	ug/l #	86
30) Chloroform	7.508	83	97091	21.064	ug/l	99
31) Cyclohexane	7.789	56	83335	20.048	ug/l #	83
32) 1,1,1-Trichloroethane	7.703	97	88487	21.399	ug/l	98
36) 1,1-Dichloropropene	7.923	75	75063	21.131	ug/l	98
37) Ethyl Acetate	7.082	43	32509	22.207	ug/l #	95
38) Carbon Tetrachloride	7.911	117	77445	21.705	ug/l	98
39) Methylcyclohexane	9.191	83	92644	20.751	ug/l	92
40) Benzene	8.167	78	219584	21.091	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121623\
 Data File : VY016667.D
 Acq On : 16 Dec 2023 14:05
 Operator : SY/MD
 Sample : VY1216SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1216SBS02

Manual Integrations
 APPROVED

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

Quant Time: Dec 18 00:38:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 16 00:39:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	13408	18.183	ug/l #	85
42) 1,2-Dichloroethane	8.246	62	56958	21.405	ug/l	93
43) Isopropyl Acetate	8.277	43	58807	21.858	ug/l #	88
44) Trichloroethene	8.947	130	62278	21.479	ug/l	100
45) 1,2-Dichloropropane	9.222	63	51473	21.163	ug/l	98
46) Dibromomethane	9.313	93	29236	21.736	ug/l	98
47) Bromodichloromethane	9.502	83	72136	21.225	ug/l	99
48) Methyl methacrylate	9.295	41	31656	21.249	ug/l #	84
49) 1,4-Dioxane	9.307	88	5970	414.336	ug/l #	55
51) 4-Methyl-2-Pentanone	10.075	43	158088	112.038	ug/l	89
52) Toluene	10.252	92	138376	21.219	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	69850	21.787	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	82325	21.357	ug/l	90
55) 1,1,2-Trichloroethane	10.648	97	41005	21.696	ug/l	97
56) Ethyl methacrylate	10.514	69	35511	21.671	ug/l #	85
57) 1,3-Dichloropropane	10.794	76	67616	21.497	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.788	63	89000	86.991	ug/l	93
59) 2-Hexanone	10.837	43	135872	117.373	ug/l	86
60) Dibromochloromethane	10.989	129	50749	22.156	ug/l	99
61) 1,2-Dibromoethane	11.093	107	38809	21.879	ug/l	98
64) Tetrachloroethene	10.727	164	61868	21.946	ug/l	95
65) Chlorobenzene	11.520	112	144653	21.552	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	53754	21.899	ug/l	99
67) Ethyl Benzene	11.599	91	255921	21.194	ug/l	95
68) m/p-Xylenes	11.709	106	200067	42.948	ug/l	93
69) o-Xylene	12.038	106	92453	21.698	ug/l	94
70) Styrene	12.050	104	132588	21.477	ug/l	96
71) Bromoform	12.215	173	29218	21.950	ug/l #	98
73) Isopropylbenzene	12.337	105	247004	21.912	ug/l	99
74) N-amyl acetate	12.148	43	48493	22.952	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.587	83	43629	22.750	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	31772m	21.643	ug/l	
77) Bromobenzene	12.617	156	57121	21.628	ug/l	94
78) n-propylbenzene	12.678	91	294949	21.890	ug/l	100
79) 2-Chlorotoluene	12.764	91	161883	21.879	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	197568	21.919	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.386	75	13831	21.531	ug/l	92
82) 4-Chlorotoluene	12.861	91	167751	21.925	ug/l	98
83) tert-Butylbenzene	13.081	119	173621	22.075	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	196569	21.989	ug/l	97
85) sec-Butylbenzene	13.257	105	253674	21.981	ug/l	100
86) p-Isopropyltoluene	13.373	119	217173	22.041	ug/l	97
87) 1,3-Dichlorobenzene	13.373	146	108861	21.207	ug/l	98
88) 1,4-Dichlorobenzene	13.452	146	110411	21.875	ug/l	99
89) n-Butylbenzene	13.702	91	200247	21.877	ug/l	98
90) Hexachloroethane	13.965	117	42056	21.444	ug/l	89
91) 1,2-Dichlorobenzene	13.745	146	96887	21.998	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5934	21.379	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	52136	21.913	ug/l	99
94) Hexachlorobutadiene	15.117	225	31919	22.351	ug/l	95
95) Naphthalene	15.239	128	91375	23.542	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	42165	21.499	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121623\
Data File : VY016667.D
Acq On : 16 Dec 2023 14:05
Operator : SY/MD
Sample : VY1216SBSD02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1216SBSD02

Manual Integrations
APPROVED

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

Quant Time: Dec 18 00:38:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
Quant Title : SW846 8260
QLast Update : Sat Dec 16 00:39:52 2023
Response via : Initial Calibration

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

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

