

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111423\
 Data File : VY016339.D
 Acq On : 14 Nov 2023 10:53
 Operator : SY/MD
 Sample : VY1114SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1114SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023

Quant Time: Nov 14 19:01:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	169049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	275742	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	237144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	112237	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	75544	48.894	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.780%		
35) Dibromofluoromethane	7.728	113	78027	49.813	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.620%		
50) Toluene-d8	10.191	98	302869	47.681	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.360%		
62) 4-Bromofluorobenzene	12.489	95	98443	47.717	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.440%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	30279	18.292	ug/l	99
3) Chloromethane	2.119	50	33406	17.232	ug/l	96
4) Vinyl Chloride	2.260	62	34942	16.762	ug/l	97
5) Bromomethane	2.656	94	22713	16.580	ug/l	99
6) Chloroethane	2.802	64	23249	17.479	ug/l	98
7) Trichlorofluoromethane	3.137	101	56956	18.780	ug/l	98
8) Diethyl Ether	3.540	74	17777	19.612	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.912	101	34344	18.802	ug/l	95
10) Methyl Iodide	4.107	142	35281	17.884	ug/l	97
11) Tert butyl alcohol	4.966	59	11296	93.364	ug/l #	81
12) 1,1-Dichloroethene	3.887	96	31079	18.193	ug/l	91
13) Acrolein	3.741	56	14844	101.717	ug/l	97
14) Allyl chloride	4.491	41	44822	18.489	ug/l #	92
15) Acrylonitrile	5.180	53	36691	102.001	ug/l	98
16) Acetone	3.960	43	29016	113.535	ug/l	95
17) Carbon Disulfide	4.210	76	83294	16.160	ug/l	99
18) Methyl Acetate	4.491	43	27613	20.333	ug/l #	90
19) Methyl tert-butyl Ether	5.235	73	82089	19.854	ug/l	98
20) Methylene Chloride	4.735	84	38133	18.960	ug/l	87
21) trans-1,2-Dichloroethene	5.241	96	35659	18.129	ug/l	93
22) Diisopropyl ether	6.131	45	103062	19.727	ug/l	90
23) Vinyl Acetate	6.076	43	250162	98.821	ug/l #	93
24) 1,1-Dichloroethane	6.033	63	61857	19.192	ug/l	95
25) 2-Butanone	7.003	43	48537	108.428	ug/l	94
26) 2,2-Dichloropropane	7.003	77	56684	19.324	ug/l	95
27) cis-1,2-Dichloroethene	6.996	96	40865	19.279	ug/l	92
28) Bromochloromethane	7.350	49	23924	20.056	ug/l	89
29) Tetrahydrofuran	7.362	42	29739	100.511	ug/l	90
30) Chloroform	7.521	83	65809	19.616	ug/l	95
31) Cyclohexane	7.801	56	53684	17.648	ug/l	89
32) 1,1,1-Trichloroethane	7.716	97	59965	19.499	ug/l	97
36) 1,1-Dichloropropene	7.935	75	49767	18.297	ug/l	98
37) Ethyl Acetate	7.088	43	21139	19.235	ug/l #	92
38) Carbon Tetrachloride	7.917	117	54004	19.131	ug/l	97
39) Methylcyclohexane	9.197	83	59362	17.515	ug/l	92
40) Benzene	8.173	78	143997	18.844	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111423\
 Data File : VY016339.D
 Acq On : 14 Nov 2023 10:53
 Operator : SY/MD
 Sample : VY1114SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1114SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023
 Supervised By :Semsettin Yesilyurt 11/15/2023

Quant Time: Nov 14 19:01:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	11964	21.591	ug/l	94
42) 1,2-Dichloroethane	8.252	62	38939	19.666	ug/l	93
43) Isopropyl Acetate	8.283	43	42581	20.045	ug/l	92
44) Trichloroethene	8.953	130	41395	18.849	ug/l	94
45) 1,2-Dichloropropane	9.228	63	35869	19.545	ug/l	98
46) Dibromomethane	9.319	93	19850	19.960	ug/l	96
47) Bromodichloromethane	9.508	83	50428	19.723	ug/l	94
48) Methyl methacrylate	9.301	41	22129	18.849	ug/l #	85
49) 1,4-Dioxane	9.307	88	4022	380.940	ug/l #	62
51) 4-Methyl-2-Pentanone	10.081	43	108212	100.737	ug/l	91
52) Toluene	10.252	92	91644	18.972	ug/l	94
53) t-1,3-Dichloropropene	10.478	75	49189	19.846	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	57786	19.520	ug/l	91
55) 1,1,2-Trichloroethane	10.654	97	27478	20.046	ug/l	96
56) Ethyl methacrylate	10.520	69	25519	19.722	ug/l #	84
57) 1,3-Dichloropropane	10.801	76	46286	19.810	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.795	63	85217	97.128	ug/l	93
59) 2-Hexanone	10.843	43	85291	106.745	ug/l	88
60) Dibromochloromethane	10.996	129	34459	20.101	ug/l	97
61) 1,2-Dibromoethane	11.099	107	26909	20.606	ug/l	96
64) Tetrachloroethene	10.734	164	40172	18.866	ug/l	96
65) Chlorobenzene	11.526	112	97725	19.288	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	37685	20.166	ug/l	97
67) Ethyl Benzene	11.599	91	174625	19.178	ug/l	99
68) m/p-Xylenes	11.715	106	133927	38.778	ug/l	95
69) o-Xylene	12.038	106	61681	19.236	ug/l	98
70) Styrene	12.057	104	90388	19.686	ug/l	98
71) Bromoform	12.215	173	20057	20.684	ug/l #	99
73) Isopropylbenzene	12.337	105	171070	18.822	ug/l	100
74) N-amyl acetate	12.154	43	34231	18.750	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.593	83	28916	19.827	ug/l	97
76) 1,2,3-Trichloropropane	12.642	75	24702m	22.943	ug/l	
77) Bromobenzene	12.617	156	39202	19.084	ug/l	96
78) n-propylbenzene	12.678	91	203719	18.967	ug/l	99
79) 2-Chlorotoluene	12.764	91	113158	19.117	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	140045	19.112	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	9525	19.202	ug/l	92
82) 4-Chlorotoluene	12.861	91	118063	19.302	ug/l	100
83) tert-Butylbenzene	13.081	119	123552	19.142	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	139477	19.331	ug/l	98
85) sec-Butylbenzene	13.264	105	174091	18.880	ug/l	99
86) p-Isopropyltoluene	13.379	119	152519	19.209	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	75842	19.191	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	74899	19.393	ug/l	99
89) n-Butylbenzene	13.703	91	141566	19.306	ug/l	97
90) Hexachloroethane	13.971	117	29016	18.944	ug/l	91
91) 1,2-Dichlorobenzene	13.745	146	65885	19.456	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	4281	18.450	ug/l	87
93) 1,2,4-Trichlorobenzene	15.013	180	38980	19.720	ug/l	99
94) Hexachlorobutadiene	15.117	225	22789	20.124	ug/l	95
95) Naphthalene	15.245	128	68393	19.346	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	31905	19.514	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111423\
Data File : VY016339.D
Acq On : 14 Nov 2023 10:53
Operator : SY/MD
Sample : VY1114SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1114SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/15/2023
Supervised By :Semsettin Yesilyurt 11/15/2023

Quant Time: Nov 14 19:01:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 09 00:45:52 2023
Response via : Initial Calibration

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

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

