

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
 Data File : VY008997.D
 Acq On : 23 May 2022 11:36
 Operator : KP/MD
 Sample : VY0523SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0523SBS01

Quant Time: May 24 01:46:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	116275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	196489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	187116	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	103065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	50860	42.501	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.000%		
35) Dibromofluoromethane	7.716	113	52058	42.606	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.220%		
50) Toluene-d8	10.179	98	169593	37.624	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	75.240%		
62) 4-Bromofluorobenzene	12.483	95	75828	41.702	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	83.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	21683	20.389	ug/l	94
3) Chloromethane	2.113	50	34914	22.916	ug/l	98
4) Vinyl Chloride	2.247	62	50652	22.440	ug/l	99
5) Bromomethane	2.631	94	51195	23.138	ug/l	95
6) Chloroethane	2.784	64	37843	23.665	ug/l	99
7) Trichlorofluoromethane	3.125	101	41534	21.668	ug/l	98
8) Diethyl Ether	3.522	74	12715	21.213	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.893	101	24992	21.214	ug/l	94
10) Methyl Iodide	4.082	142	21503	17.676	ug/l	95
11) Tert butyl alcohol	4.948	59	12014	98.976	ug/l #	93
12) 1,1-Dichloroethene	3.863	96	22309	20.399	ug/l	85
13) Acrolein	3.729	56	5962	149.222	ug/l	99
14) Allyl chloride	4.473	41	34624	21.007	ug/l #	90
15) Acrylonitrile	5.161	53	35596	106.067	ug/l	97
16) Acetone	3.942	43	26306	105.605	ug/l	100
17) Carbon Disulfide	4.186	76	70077	19.613	ug/l	97
18) Methyl Acetate	4.473	43	15957	20.571	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	66678	20.313	ug/l	95
20) Methylene Chloride	4.716	84	28505	14.805	ug/l #	77
21) trans-1,2-Dichloroethene	5.210	96	27098	19.304	ug/l	89
22) Diisopropyl ether	6.119	45	78611	19.853	ug/l #	92
23) Vinyl Acetate	6.052	43	264610	101.025	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	49126	20.743	ug/l	96
25) 2-Butanone	6.984	43	45166	101.516	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	45566	20.886	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	31631	19.989	ug/l	89
28) Bromochloromethane	7.332	49	18128	22.300	ug/l	96
29) Tetrahydrofuran	7.344	42	30831	102.014	ug/l #	87
30) Chloroform	7.503	83	51612	20.188	ug/l	100
31) Cyclohexane	7.783	56	46264	19.762	ug/l	94
32) 1,1,1-Trichloroethane	7.704	97	46422	20.015	ug/l	99
36) 1,1-Dichloropropene	7.917	75	40290	19.376	ug/l	98
37) Ethyl Acetate	7.070	43	20276	18.798	ug/l #	95
38) Carbon Tetrachloride	7.899	117	41529	19.092	ug/l	99
39) Methylcyclohexane	9.179	83	49672	18.507	ug/l	91
40) Benzene	8.155	78	113315	18.898	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
 Data File : VY008997.D
 Acq On : 23 May 2022 11:36
 Operator : KP/MD
 Sample : VY0523SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0523SBS01

Quant Time: May 24 01:46:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	10895m	19.574	ug/l	
42) 1,2-Dichloroethane	8.234	62	35418	20.116	ug/l	95
43) Isopropyl Acetate	8.271	43	39027	19.459	ug/l #	91
44) Trichloroethene	8.935	130	29588	18.636	ug/l	90
45) 1,2-Dichloropropane	9.216	63	28750	19.969	ug/l	99
46) Dibromomethane	9.301	93	17684	19.317	ug/l	92
47) Bromodichloromethane	9.496	83	40442	19.330	ug/l	97
48) Methyl methacrylate	9.289	41	18259	20.389	ug/l	91
49) 1,4-Dioxane	9.289	88	4350	355.457	ug/l	89
51) 4-Methyl-2-Pentanone	10.069	43	109614	98.755	ug/l	94
52) Toluene	10.240	92	79099	18.877	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	42287	19.033	ug/l	93
54) cis-1,3-Dichloropropene	9.929	75	45351	18.987	ug/l	92
55) 1,1,2-Trichloroethane	10.642	97	23709	18.511	ug/l	94
56) Ethyl methacrylate	10.508	69	29061	17.747	ug/l	91
57) 1,3-Dichloropropane	10.789	76	40451	19.361	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.783	63	68332	96.456	ug/l	96
59) 2-Hexanone	10.831	43	74909	98.570	ug/l	91
60) Dibromochloromethane	10.978	129	28863	18.590	ug/l	98
61) 1,2-Dibromoethane	11.087	107	23316	18.371	ug/l	100
64) Tetrachloroethene	10.721	164	26345	19.344	ug/l	94
65) Chlorobenzene	11.514	112	80847	18.825	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	30178	19.190	ug/l	96
67) Ethyl Benzene	11.593	91	146051	18.870	ug/l	98
68) m/p-Xylenes	11.703	106	118931	37.853	ug/l	91
69) o-Xylene	12.032	106	54384	18.639	ug/l	91
70) Styrene	12.044	104	91575	18.251	ug/l	94
71) Bromoform	12.209	173	18800	18.034	ug/l #	98
73) Isopropylbenzene	12.331	105	144495	18.749	ug/l	98
74) N-amyl acetate	12.142	43	36146	20.329	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	30601	19.276	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	22291m	20.140	ug/l	
77) Bromobenzene	12.611	156	33526	18.767	ug/l	95
78) n-propylbenzene	12.672	91	182299	20.474	ug/l	100
79) 2-Chlorotoluene	12.758	91	98426	19.164	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	122748	19.003	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	10130	18.786	ug/l	93
82) 4-Chlorotoluene	12.855	91	107181	19.511	ug/l	99
83) tert-Butylbenzene	13.075	119	108117	18.866	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	123978	19.334	ug/l	97
85) sec-Butylbenzene	13.252	105	169330	19.312	ug/l	100
86) p-Isopropyltoluene	13.367	119	141505	19.353	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	72476	19.018	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	73196	19.118	ug/l	100
89) n-Butylbenzene	13.697	91	135630	20.276	ug/l	97
90) Hexachloroethane	13.959	117	26598	19.411	ug/l	85
91) 1,2-Dichlorobenzene	13.739	146	64647	19.218	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4793	19.447	ug/l	87
93) 1,2,4-Trichlorobenzene	15.007	180	33660	18.232	ug/l	100
94) Hexachlorobutadiene	15.111	225	19518	19.397	ug/l	99
95) Naphthalene	15.239	128	65635	17.697	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	30095	18.759	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052322\
 Data File : VY008997.D
 Acq On : 23 May 2022 11:36
 Operator : KP/MD
 Sample : VY0523SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0523SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/24/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 24 01:46:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

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

