

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060523\
 Data File : VY014000.D
 Acq On : 05 Jun 2023 12:25
 Operator : KP/MD
 Sample : VY0605SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0605SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/06/2023
 Supervised By :Mahesh Dadoda 06/06/2023

Quant Time: Jun 05 15:31:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	245937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	381449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	352934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	181598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	154313	47.399	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.800%			
35) Dibromofluoromethane	7.716	113	127199	52.472	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.940%			
50) Toluene-d8	10.178	98	477431	51.632	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.260%			
62) 4-Bromofluorobenzene	12.483	95	167059	52.994	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	46516	21.496	ug/l	97
3) Chloromethane	2.113	50	55152	18.402	ug/l	96
4) Vinyl Chloride	2.247	62	54059	19.470	ug/l	100
5) Bromomethane	2.655	94	45088	18.650	ug/l	97
6) Chloroethane	2.790	64	38862	19.558	ug/l	100
7) Trichlorofluoromethane	3.125	101	96151	21.906	ug/l	97
8) Diethyl Ether	3.527	74	31230	18.149	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.893	101	50681	22.477	ug/l	98
10) Methyl Iodide	4.088	142	51996	16.732	ug/l	100
11) Tert butyl alcohol	4.923	59	61829m	92.407	ug/l	
12) 1,1-Dichloroethene	3.875	96	46369	19.614	ug/l	98
13) Acrolein	3.735	56	23228	75.808	ug/l	98
14) Allyl chloride	4.478	41	82848	18.058	ug/l	99
15) Acrylonitrile	5.167	53	85241	89.270	ug/l	99
16) Acetone	3.954	43	93455	83.902	ug/l	98
17) Carbon Disulfide	4.186	76	134403	16.813	ug/l	98
18) Methyl Acetate	4.478	43	69028	17.153	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	141860	18.547	ug/l	100
20) Methylene Chloride	4.716	84	64357	18.875	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	51731	19.319	ug/l	98
22) Diisopropyl ether	6.118	45	173801	19.543	ug/l	99
23) Vinyl Acetate	6.057	43	505077	90.548	ug/l	100
24) 1,1-Dichloroethane	6.015	63	97370	19.616	ug/l	97
25) 2-Butanone	6.990	43	119133	85.853	ug/l	95
26) 2,2-Dichloropropane	6.978	77	93998	20.866	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	58653	19.131	ug/l	98
28) Bromochloromethane	7.331	49	46923	20.016	ug/l	97
29) Tetrahydrofuran	7.350	42	74711	86.581	ug/l	100
30) Chloroform	7.502	83	106186	20.374	ug/l	99
31) Cyclohexane	7.783	56	79526	20.286	ug/l	97
32) 1,1,1-Trichloroethane	7.703	97	94801	21.444	ug/l	100
36) 1,1-Dichloropropene	7.917	75	71247	20.629	ug/l	99
37) Ethyl Acetate	7.069	43	55998	18.597	ug/l	99
38) Carbon Tetrachloride	7.898	117	87858	22.702	ug/l	98
39) Methylcyclohexane	9.185	83	78604	21.319	ug/l	99
40) Benzene	8.161	78	217017	20.370	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	29001m	20.839	ug/l	
42) 1,2-Dichloroethane	8.234	62	78272	20.035	ug/l	99
43) Isopropyl Acetate	8.270	43	93362	18.414	ug/l	98
44) Trichloroethene	8.941	130	58323	20.905	ug/l	97
45) 1,2-Dichloropropane	9.215	63	54422	19.794	ug/l	95
46) Dibromomethane	9.307	93	34421	19.556	ug/l	99
47) Bromodichloromethane	9.496	83	81273	20.497	ug/l	97
48) Methyl methacrylate	9.288	41	43190	18.716	ug/l	98
49) 1,4-Dioxane	9.319	88	8389	327.734	ug/l #	30
51) 4-Methyl-2-Pentanone	10.069	43	264629	92.407	ug/l	99
52) Toluene	10.246	92	136149	20.860	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	84626	19.869	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	90477	19.896	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	46458	20.021	ug/l	94
56) Ethyl methacrylate	10.508	69	62897	18.878	ug/l	98
57) 1,3-Dichloropropane	10.788	76	79489	20.048	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	96109	76.316	ug/l	98
59) 2-Hexanone	10.831	43	189993	91.623	ug/l	99
60) Dibromochloromethane	10.983	129	60865	20.753	ug/l	99
61) 1,2-Dibromoethane	11.087	107	46403	19.903	ug/l	99
64) Tetrachloroethene	10.721	164	56049	23.181	ug/l	97
65) Chlorobenzene	11.514	112	149647	20.668	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	58951	20.914	ug/l	99
67) Ethyl Benzene	11.593	91	262023	20.907	ug/l	100
68) m/p-Xylenes	11.703	106	203189	42.442	ug/l	98
69) o-Xylene	12.032	106	95514	20.821	ug/l	100
70) Styrene	12.044	104	162991	20.686	ug/l	99
71) Bromoform	12.209	173	41192	19.822	ug/l #	98
73) Isopropylbenzene	12.331	105	249654	20.829	ug/l	99
74) N-amyl acetate	12.142	43	81379	17.696	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	57443	18.337	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	47581m	19.470	ug/l	
77) Bromobenzene	12.605	156	66148	20.415	ug/l	97
78) n-propylbenzene	12.672	91	312118	21.247	ug/l	100
79) 2-Chlorotoluene	12.757	91	178382	20.512	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	218557	21.275	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	21897	19.010	ug/l	97
82) 4-Chlorotoluene	12.855	91	189637	20.734	ug/l	100
83) tert-Butylbenzene	13.074	119	180448	20.976	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	213811	20.838	ug/l	100
85) sec-Butylbenzene	13.251	105	272686	21.798	ug/l	100
86) p-Isopropyltoluene	13.367	119	231676	21.940	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	129286	21.010	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	127510	20.485	ug/l	99
89) n-Butylbenzene	13.696	91	215960	21.675	ug/l	99
90) Hexachloroethane	13.958	117	47369	21.374	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	115143	20.312	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11127	18.416	ug/l	100
93) 1,2,4-Trichlorobenzene	15.007	180	70082	20.111	ug/l	99
94) Hexachlorobutadiene	15.111	225	43079	23.208	ug/l	98
95) Naphthalene	15.239	128	138913	18.997	ug/l	100
96) 1,2,3-Trichlorobenzene	15.421	180	63036	19.860	ug/l	100

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

