

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032922\
 Data File : VY008081.D
 Acq On : 29 Mar 2022 11:58
 Operator : SY/MD
 Sample : VY0329SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0329SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/30/2022
 Supervised By :Semsettin Yesilyurt 03/30/2022

Quant Time: Mar 30 03:58:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	157810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	271525	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	242457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112823	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	78039	49.289	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.580%
35) Dibromofluoromethane	7.722	113	83772	49.209	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.420%
50) Toluene-d8	10.185	98	316117	49.287	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.580%
62) 4-Bromofluorobenzene	12.483	95	107425	47.474	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.940%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	30316	21.310	ug/l	98
3) Chloromethane	2.119	50	34230	19.760	ug/l	93
4) Vinyl Chloride	2.259	62	42269	18.339	ug/l	98
5) Bromomethane	2.656	94	37415	19.807	ug/l	97
6) Chloroethane	2.802	64	28137	18.558	ug/l	100
7) Trichlorofluoromethane	3.137	101	54334	18.635	ug/l	94
8) Diethyl Ether	3.540	74	18580	19.678	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.912	101	33953	18.773	ug/l	93
10) Methyl Iodide	4.107	142	38028	19.088	ug/l	90
11) Tert butyl alcohol	4.966	59	13810	84.067	ug/l #	92
12) 1,1-Dichloroethene	3.881	96	32477	19.397	ug/l	82
13) Acrolein	3.741	56	12475	93.300	ug/l	97
14) Allyl chloride	4.491	41	42503	19.294	ug/l #	91
15) Acrylonitrile	5.173	53	42701	94.944	ug/l	96
16) Acetone	3.954	43	32367	89.437	ug/l #	88
17) Carbon Disulfide	4.204	76	97777	20.609	ug/l	100
18) Methyl Acetate	4.491	43	18415	14.143	ug/l #	80
19) Methyl tert-butyl Ether	5.228	73	90559	19.032	ug/l	94
20) Methylene Chloride	4.728	84	38871	18.112	ug/l #	79
21) trans-1,2-Dichloroethene	5.234	96	38760	19.992	ug/l #	80
22) Diisopropyl ether	6.125	45	91116	19.225	ug/l #	93
23) Vinyl Acetate	6.070	43	298611	101.681	ug/l #	86
24) 1,1-Dichloroethane	6.033	63	61066	19.462	ug/l	97
25) 2-Butanone	6.996	43	50766	92.180	ug/l #	80
26) 2,2-Dichloropropane	6.990	77	57937	19.498	ug/l	93
27) cis-1,2-Dichloroethene	6.996	96	43765	19.475	ug/l	81
28) Bromochloromethane	7.344	49	21276	20.822	ug/l #	70
29) Tetrahydrofuran	7.356	42	33777	94.337	ug/l #	73
30) Chloroform	7.515	83	66072	19.447	ug/l	100
31) Cyclohexane	7.795	56	55112	18.622	ug/l #	76
32) 1,1,1-Trichloroethane	7.710	97	60923	19.407	ug/l	95
36) 1,1-Dichloropropene	7.923	75	50918	19.041	ug/l	96
37) Ethyl Acetate	7.082	43	23782	19.037	ug/l #	89
38) Carbon Tetrachloride	7.905	117	54328	18.642	ug/l	95
39) Methylcyclohexane	9.191	83	65374	18.112	ug/l #	83
40) Benzene	8.167	78	146927	19.208	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	12709m	20.261	ug/l	
42) 1,2-Dichloroethane	8.246	62	41295	19.245	ug/l	90
43) Isopropyl Acetate	8.277	43	44220	18.032	ug/l #	85
44) Trichloroethene	8.947	130	41841	18.916	ug/l	96
45) 1,2-Dichloropropane	9.222	63	34221	18.983	ug/l	94
46) Dibromomethane	9.313	93	22077	18.625	ug/l	94
47) Bromodichloromethane	9.502	83	50006	18.449	ug/l	99
48) Methyl methacrylate	9.295	41	19299	17.768	ug/l #	76
49) 1,4-Dioxane	9.301	88	5602	355.507	ug/l #	82
51) 4-Methyl-2-Pentanone	10.075	43	114517	92.587	ug/l #	85
52) Toluene	10.252	92	96065	19.150	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	51447	18.517	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	59044	18.773	ug/l #	84
55) 1,1,2-Trichloroethane	10.654	97	30190	18.445	ug/l	95
56) Ethyl methacrylate	10.514	69	38540	18.051	ug/l #	75
57) 1,3-Dichloropropane	10.794	76	50358	18.798	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.788	63	78653	88.912	ug/l #	87
59) 2-Hexanone	10.837	43	79653	92.032	ug/l	82
60) Dibromochloromethane	10.990	129	36789	18.481	ug/l	99
61) 1,2-Dibromoethane	11.093	107	30374	18.633	ug/l	98
64) Tetrachloroethene	10.727	164	34197	18.364	ug/l	94
65) Chlorobenzene	11.520	112	104623	19.138	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	37234	18.464	ug/l	96
67) Ethyl Benzene	11.599	91	183592	19.161	ug/l	97
68) m/p-Xylenes	11.709	106	145572	38.207	ug/l	91
69) o-Xylene	12.032	106	68734	18.842	ug/l	92
70) Styrene	12.050	104	112992	18.921	ug/l	95
71) Bromoform	12.215	173	21332	17.521	ug/l #	97
73) Isopropylbenzene	12.337	105	179817	19.309	ug/l	99
74) N-amyl acetate	12.148	43	38872	18.989	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.587	83	35428	19.573	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	25324m	18.413	ug/l	
77) Bromobenzene	12.611	156	41220	19.294	ug/l	96
78) n-propylbenzene	12.678	91	211758	19.278	ug/l	98
79) 2-Chlorotoluene	12.757	91	118750	19.488	ug/l	97
80) 1,3,5-Trimethylbenzene	12.818	105	145994	19.137	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	11473	18.612	ug/l #	83
82) 4-Chlorotoluene	12.861	91	124330	19.885	ug/l	98
83) tert-Butylbenzene	13.081	119	131257	19.311	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	144438	19.442	ug/l	98
85) sec-Butylbenzene	13.257	105	192845	19.222	ug/l	100
86) p-Isopropyltoluene	13.373	119	159036	19.048	ug/l	97
87) 1,3-Dichlorobenzene	13.373	146	80189	18.932	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	79806	18.893	ug/l	98
89) n-Butylbenzene	13.702	91	145603	18.954	ug/l	98
90) Hexachloroethane	13.965	117	29146	18.016	ug/l	80
91) 1,2-Dichlorobenzene	13.745	146	70839	18.996	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5319	18.411	ug/l	85
93) 1,2,4-Trichlorobenzene	15.013	180	39690	17.770	ug/l	99
94) Hexachlorobutadiene	15.117	225	20281	17.164	ug/l	98
95) Naphthalene	15.239	128	87345	17.692	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	33037	17.095	ug/l	97

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

