

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051722\
 Data File : VY008782.D
 Acq On : 17 May 2022 19:30
 Operator : KP/MD
 Sample : VY0517SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0517SBS01

Quant Time: May 18 07:56:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/18/2022
 Supervised By : Mahesh Dadoda 05/18/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	140155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	225072	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	208723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	110310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	73783	56.746	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.500%			
35) Dibromofluoromethane	7.715	113	71394	54.290	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.580%			
50) Toluene-d8	10.178	98	290243	49.676	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.360%			
62) 4-Bromofluorobenzene	12.483	95	91691	44.377	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.899	85	24115	24.512	ug/l	98
3) Chloromethane	2.113	50	33816	20.818	ug/l	99
4) Vinyl Chloride	2.247	62	50598	22.206	ug/l	97
5) Bromomethane	2.631	94	44729	26.022	ug/l	99
6) Chloroethane	2.783	64	36675	21.527	ug/l	98
7) Trichlorofluoromethane	3.119	101	48734	22.969	ug/l	97
8) Diethyl Ether	3.527	74	13598	21.897	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.893	101	29151	22.767	ug/l	91
10) Methyl Iodide	4.082	142	33985	23.405	ug/l	92
11) Tert butyl alcohol	4.942	59	15019	104.515	ug/l #	94
12) 1,1-Dichloroethene	3.862	96	26422	22.217	ug/l #	77
13) Acrolein	3.722	56	9651	135.760	ug/l	98
14) Allyl chloride	4.472	41	38630	22.083	ug/l #	91
15) Acrylonitrile	5.161	53	41031	97.436	ug/l	99
16) Acetone	3.942	43	33033	97.518	ug/l	95
17) Carbon Disulfide	4.192	76	75890	22.521	ug/l	99
18) Methyl Acetate	4.472	43	24229	23.784	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	69374	21.659	ug/l	92
20) Methylene Chloride	4.710	84	34991	22.516	ug/l #	85
21) trans-1,2-Dichloroethene	5.216	96	30987	21.250	ug/l	86
22) Diisopropyl ether	6.112	45	76711	20.707	ug/l #	93
23) Vinyl Acetate	6.057	43	263686	100.949	ug/l #	92
24) 1,1-Dichloroethane	6.015	63	51964	21.139	ug/l	98
25) 2-Butanone	6.984	43	54200	99.330	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	47815	20.465	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	34203	21.148	ug/l	86
28) Bromochloromethane	7.331	49	20129	21.599	ug/l	88
29) Tetrahydrofuran	7.344	42	35476	97.598	ug/l #	87
30) Chloroform	7.502	83	54056	20.510	ug/l	100
31) Cyclohexane	7.776	56	48053	21.645	ug/l	96
32) 1,1,1-Trichloroethane	7.697	97	52132	21.334	ug/l	97
36) 1,1-Dichloropropene	7.917	75	41903	19.895	ug/l	95
37) Ethyl Acetate	7.069	43	24756	19.724	ug/l	96
38) Carbon Tetrachloride	7.898	117	45523	20.168	ug/l	98
39) Methylcyclohexane	9.185	83	52328	20.950	ug/l	89
40) Benzene	8.154	78	120205	20.397	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	12982m	19.668	ug/l	
42) 1,2-Dichloroethane	8.234	62	35196	20.345	ug/l	94
43) Isopropyl Acetate	8.270	43	42700	20.436	ug/l #	93
44) Trichloroethene	8.941	130	32339	20.172	ug/l	97
45) 1,2-Dichloropropane	9.215	63	29804	21.279	ug/l	91
46) Dibromomethane	9.301	93	18681	20.298	ug/l	94
47) Bromodichloromethane	9.496	83	42311	20.737	ug/l	98
48) Methyl methacrylate	9.288	41	19464	21.215	ug/l #	89
49) 1,4-Dioxane	9.294	88	5691	411.675	ug/l	87
51) 4-Methyl-2-Pentanone	10.069	43	119787	97.113	ug/l	91
52) Toluene	10.239	92	82874	20.694	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	43119	20.346	ug/l	100
54) cis-1,3-Dichloropropene	9.928	75	47407	20.744	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	25053	20.018	ug/l	96
56) Ethyl methacrylate	10.508	69	31097	20.480	ug/l	84
57) 1,3-Dichloropropane	10.788	76	42684	20.742	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	74764	96.557	ug/l	96
59) 2-Hexanone	10.831	43	85074	96.529	ug/l	90
60) Dibromochloromethane	10.983	129	30662	20.408	ug/l	98
61) 1,2-Dibromoethane	11.087	107	25104	20.114	ug/l	99
64) Tetrachloroethene	10.721	164	28286	21.171	ug/l	95
65) Chlorobenzene	11.514	112	86734	20.532	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	30502	19.764	ug/l	97
67) Ethyl Benzene	11.593	91	154242	20.446	ug/l	99
68) m/p-Xylenes	11.703	106	121681	40.488	ug/l	93
69) o-Xylene	12.026	106	55988	20.162	ug/l	93
70) Styrene	12.044	104	93821	19.958	ug/l	95
71) Bromoform	12.209	173	19387	18.505	ug/l #	98
73) Isopropylbenzene	12.330	105	152328	20.135	ug/l	100
74) N-amyl acetate	12.141	43	36565	20.248	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.580	83	33522	19.931	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	24703m	19.387	ug/l	
77) Bromobenzene	12.605	156	33949	19.366	ug/l	96
78) n-propylbenzene	12.672	91	188088	20.237	ug/l	99
79) 2-Chlorotoluene	12.757	91	102571	20.375	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	126498	20.709	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	11564	19.850	ug/l #	84
82) 4-Chlorotoluene	12.855	91	108419	20.387	ug/l	95
83) tert-Butylbenzene	13.074	119	114331	20.812	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	125696	20.786	ug/l	97
85) sec-Butylbenzene	13.251	105	178858	20.869	ug/l	100
86) p-Isopropyltoluene	13.367	119	147242	21.069	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	74626	20.260	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	74489	20.445	ug/l	99
89) n-Butylbenzene	13.696	91	137864	20.783	ug/l	100
90) Hexachloroethane	13.958	117	27590	20.881	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	66483	20.640	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6202	21.566	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	35777	20.340	ug/l	98
94) Hexachlorobutadiene	15.110	225	20652	20.404	ug/l	94
95) Naphthalene	15.238	128	80960	20.589	ug/l	99
96) 1,2,3-Trichlorobenzene	15.427	180	32658	21.135	ug/l	99

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

