

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081922\
 Data File : VY010122.D
 Acq On : 19 Aug 2022 23:40
 Operator : KP/MD
 Sample : VY0819SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0819SBS02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/22/2022
 Supervised By :Mahesh Dadoda 08/22/2022

Quant Time: Aug 22 02:48:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	211854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	342152	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	318572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	163060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	92674	53.406	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.820%			
35) Dibromofluoromethane	7.710	113	97169	50.400	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.800%			
50) Toluene-d8	10.173	98	348058	48.179	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.360%			
62) 4-Bromofluorobenzene	12.477	95	130868	50.701	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	32119	20.342	ug/l	95
3) Chloromethane	2.107	50	35781	20.141	ug/l	96
4) Vinyl Chloride	2.241	62	38279	19.780	ug/l	97
5) Bromomethane	2.631	94	31444	21.463	ug/l	100
6) Chloroethane	2.778	64	29140	23.594	ug/l	96
7) Trichlorofluoromethane	3.113	101	65135	19.861	ug/l	97
8) Diethyl Ether	3.522	74	26063	23.283	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.887	101	41953	20.606	ug/l	99
10) Methyl Iodide	4.082	142	51162	20.346	ug/l	97
11) Tert butyl alcohol	4.948	59	30440	172.590	ug/l #	93
12) 1,1-Dichloroethene	3.857	96	40396	20.684	ug/l	98
13) Acrolein	3.717	56	13249	141.896	ug/l	99
14) Allyl chloride	4.466	41	63643	22.033	ug/l	98
15) Acrylonitrile	5.149	53	67682	125.776	ug/l	99
16) Acetone	3.936	43	51606	118.823	ug/l	100
17) Carbon Disulfide	4.180	76	128498	20.732	ug/l	99
18) Methyl Acetate	4.466	43	34695	26.074	ug/l	98
19) Methyl tert-butyl Ether	5.210	73	111652	23.071	ug/l	99
20) Methylene Chloride	4.704	84	87911	32.746	ug/l	95
21) trans-1,2-Dichloroethene	5.210	96	47644	21.515	ug/l	92
22) Diisopropyl ether	6.112	45	142368	23.465	ug/l	98
23) Vinyl Acetate	6.052	43	444814	120.804	ug/l	100
24) 1,1-Dichloroethane	6.009	63	81250	22.222	ug/l	99
25) 2-Butanone	6.978	43	88381	126.508	ug/l	96
26) 2,2-Dichloropropane	6.972	77	63199	19.316	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	53499	21.837	ug/l	96
28) Bromochloromethane	7.326	49	25988	20.917	ug/l	95
29) Tetrahydrofuran	7.344	42	57157	127.934	ug/l	97
30) Chloroform	7.496	83	84494	22.099	ug/l	100
31) Cyclohexane	7.777	56	74527	20.962	ug/l	95
32) 1,1,1-Trichloroethane	7.691	97	72200	21.660	ug/l	99
36) 1,1-Dichloropropene	7.911	75	62955	20.457	ug/l	100
37) Ethyl Acetate	7.070	43	39359	25.192	ug/l	98
38) Carbon Tetrachloride	7.893	117	65445	20.278	ug/l	97
39) Methylcyclohexane	9.179	83	75227	19.823	ug/l	95
40) Benzene	8.155	78	195514	21.599	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	22963m	25.639	ug/l	
42) 1,2-Dichloroethane	8.228	62	53164	22.900	ug/l	99
43) Isopropyl Acetate	8.265	43	67686	23.997	ug/l	99
44) Trichloroethene	8.935	130	54067	20.838	ug/l	97
45) 1,2-Dichloropropane	9.210	63	48285	22.165	ug/l	99
46) Dibromomethane	9.301	93	27600	21.656	ug/l	99
47) Bromodichloromethane	9.490	83	64814	21.851	ug/l	100
48) Methyl methacrylate	9.289	41	29678	23.517	ug/l	98
49) 1,4-Dioxane	9.295	88	7052	477.728	ug/l	98
51) 4-Methyl-2-Pentanone	10.063	43	188478	123.508	ug/l	99
52) Toluene	10.240	92	120960	21.077	ug/l	100
53) t-1,3-Dichloropropene	10.459	75	65213	21.512	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	73523	20.792	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	40230	21.919	ug/l	99
56) Ethyl methacrylate	10.508	69	51810	22.383	ug/l	98
57) 1,3-Dichloropropane	10.788	76	66494	21.977	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	121406	131.492	ug/l	98
59) 2-Hexanone	10.831	43	129857	124.101	ug/l	97
60) Dibromochloromethane	10.984	129	47526	21.247	ug/l	99
61) 1,2-Dibromoethane	11.087	107	39399	22.057	ug/l	99
64) Tetrachloroethene	10.715	164	51364	19.975	ug/l	98
65) Chlorobenzene	11.514	112	132179	20.629	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	49786	21.021	ug/l	99
67) Ethyl Benzene	11.587	91	225622	20.208	ug/l	96
68) m/p-Xylenes	11.697	106	178441	40.981	ug/l	99
69) o-Xylene	12.026	106	83655	20.634	ug/l	100
70) Styrene	12.038	104	144239	20.849	ug/l	99
71) Bromoform	12.203	173	31768	21.789	ug/l #	99
73) Isopropylbenzene	12.325	105	220225	20.076	ug/l	100
74) N-amyl acetate	12.142	43	58902	22.275	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	47959	21.856	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	32499m	21.281	ug/l	
77) Bromobenzene	12.605	156	55606	20.839	ug/l	98
78) n-propylbenzene	12.666	91	274257	20.362	ug/l	100
79) 2-Chlorotoluene	12.752	91	153987	20.296	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	188792	20.570	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	15691	20.637	ug/l	95
82) 4-Chlorotoluene	12.849	91	160970	20.466	ug/l	99
83) tert-Butylbenzene	13.069	119	163015	20.373	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	190299	20.935	ug/l	100
85) sec-Butylbenzene	13.251	105	245406	20.229	ug/l	100
86) p-Isopropyltoluene	13.367	119	202803	20.280	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	110968	20.652	ug/l	100
88) 1,4-Dichlorobenzene	13.440	146	110670	20.571	ug/l	99
89) n-Butylbenzene	13.690	91	188754	20.054	ug/l	98
90) Hexachloroethane	13.959	117	40947	20.082	ug/l	99
91) 1,2-Dichlorobenzene	13.733	146	100490	21.069	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7734	23.054	ug/l	97
93) 1,2,4-Trichlorobenzene	15.001	180	58895	20.827	ug/l	100
94) Hexachlorobutadiene	15.111	225	35188	20.960	ug/l	99
95) Naphthalene	15.233	128	124014	22.554	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	53461	21.694	ug/l	99

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

