

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082222\
 Data File : VY010145.D
 Acq On : 22 Aug 2022 15:47
 Operator : KP/MD
 Sample : VY0822SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0822SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/23/2022
 Supervised By :Mahesh Dadoda 08/23/2022

Quant Time: Aug 22 16:15:40 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	223568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	349787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	327696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	171535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	93343	50.973	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.940%			
35) Dibromofluoromethane	7.710	113	100667	51.074	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.140%			
50) Toluene-d8	10.179	98	345558	46.789	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.580%			
62) 4-Bromofluorobenzene	12.477	95	136701	51.805	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	28253	16.956	ug/l	97
3) Chloromethane	2.107	50	30739	16.396	ug/l	97
4) Vinyl Chloride	2.241	62	34041	16.668	ug/l	100
5) Bromomethane	2.631	94	33310	21.545	ug/l	100
6) Chloroethane	2.784	64	26598	20.407	ug/l	98
7) Trichlorofluoromethane	3.113	101	64691	18.692	ug/l	99
8) Diethyl Ether	3.521	74	24075	20.380	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.887	101	41052	19.107	ug/l	98
10) Methyl Iodide	4.076	142	43561	16.415	ug/l	97
11) Tert butyl alcohol	4.948	59	22398	123.504	ug/l	96
12) 1,1-Dichloroethene	3.857	96	37403	18.148	ug/l	99
13) Acrolein	3.716	56	12310	122.093	ug/l	98
14) Allyl chloride	4.466	41	63533	20.842	ug/l	98
15) Acrylonitrile	5.149	53	64928	114.336	ug/l	98
16) Acetone	3.942	43	53527	116.789	ug/l	99
17) Carbon Disulfide	4.180	76	99718	15.246	ug/l	98
18) Methyl Acetate	4.466	43	33235	23.668	ug/l	97
19) Methyl tert-butyl Ether	5.210	73	109860	21.511	ug/l	99
20) Methylene Chloride	4.704	84	66091	20.574	ug/l	96
21) trans-1,2-Dichloroethene	5.210	96	43222	18.496	ug/l	98
22) Diisopropyl ether	6.112	45	141652	22.123	ug/l	96
23) Vinyl Acetate	6.051	43	433151	111.473	ug/l	96
24) 1,1-Dichloroethane	6.003	63	79225	20.533	ug/l	99
25) 2-Butanone	6.978	43	85005	115.300	ug/l	95
26) 2,2-Dichloropropane	6.972	77	69694	20.185	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	51067	19.752	ug/l	95
28) Bromochloromethane	7.325	49	25553	19.489	ug/l	95
29) Tetrahydrofuran	7.338	42	54031	114.601	ug/l	97
30) Chloroform	7.496	83	84009	20.821	ug/l	99
31) Cyclohexane	7.777	56	67991	18.122	ug/l	97
32) 1,1,1-Trichloroethane	7.697	97	71594	20.353	ug/l	99
36) 1,1-Dichloropropene	7.911	75	59824	19.015	ug/l	99
37) Ethyl Acetate	7.069	43	36509	22.857	ug/l	99
38) Carbon Tetrachloride	7.892	117	64207	19.460	ug/l	97
39) Methylcyclohexane	9.179	83	70267	18.112	ug/l	96
40) Benzene	8.155	78	181975	19.665	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	21720m	23.722	ug/l	
42) 1,2-Dichloroethane	8.234	62	51601	21.742	ug/l	98
43) Isopropyl Acetate	8.270	43	67279	23.332	ug/l	97
44) Trichloroethene	8.935	130	50279	18.955	ug/l	96
45) 1,2-Dichloropropane	9.209	63	47418	21.292	ug/l	96
46) Dibromomethane	9.301	93	26350	20.224	ug/l	100
47) Bromodichloromethane	9.490	83	63618	20.980	ug/l	99
48) Methyl methacrylate	9.289	41	28788	22.314	ug/l	97
49) 1,4-Dioxane	9.295	88	6570	435.361	ug/l	95
51) 4-Methyl-2-Pentanone	10.069	43	184682	118.379	ug/l	97
52) Toluene	10.240	92	117665	20.055	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	66073	21.320	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	75017	20.751	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	40048	21.344	ug/l	97
56) Ethyl methacrylate	10.508	69	50504	21.342	ug/l	97
57) 1,3-Dichloropropane	10.788	76	65352	21.128	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	117098	124.058	ug/l	99
59) 2-Hexanone	10.831	43	124774	116.641	ug/l	98
60) Dibromochloromethane	10.983	129	47204	20.642	ug/l	99
61) 1,2-Dibromoethane	11.087	107	37085	20.308	ug/l	99
64) Tetrachloroethene	10.715	164	48342	18.276	ug/l	98
65) Chlorobenzene	11.514	112	129770	19.690	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	49628	20.370	ug/l	99
67) Ethyl Benzene	11.593	91	225143	19.603	ug/l	99
68) m/p-Xylenes	11.703	106	175101	39.095	ug/l	100
69) o-Xylene	12.026	106	81947	19.650	ug/l	99
70) Styrene	12.044	104	142938	20.086	ug/l	100
71) Bromoform	12.203	173	31168	20.783	ug/l #	100
73) Isopropylbenzene	12.331	105	222564	19.286	ug/l	100
74) N-amyl acetate	12.142	43	59832	21.509	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	47618	20.629	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	34052m	21.197	ug/l	
77) Bromobenzene	12.605	156	53983	19.231	ug/l	99
78) n-propylbenzene	12.672	91	274876	19.400	ug/l	100
79) 2-Chlorotoluene	12.757	91	153682	19.255	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	192440	19.932	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	16827	21.038	ug/l	94
82) 4-Chlorotoluene	12.855	91	163655	19.780	ug/l	99
83) tert-Butylbenzene	13.074	119	163691	19.447	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	190135	19.883	ug/l	100
85) sec-Butylbenzene	13.251	105	250016	19.591	ug/l	99
86) p-Isopropyltoluene	13.367	119	205954	19.578	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	110090	19.477	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	111374	19.679	ug/l	99
89) n-Butylbenzene	13.696	91	193038	19.496	ug/l	99
90) Hexachloroethane	13.958	117	41441	19.321	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	99487	19.828	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7414	21.008	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	61506	20.676	ug/l	98
94) Hexachlorobutadiene	15.111	225	35207	19.935	ug/l	98
95) Naphthalene	15.233	128	121919	21.332	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	54362	20.970	ug/l	99

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

