

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101822\
 Data File : VY010986.D
 Acq On : 18 Oct 2022 11:28
 Operator : KP/MD
 Sample : VY1018SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1018SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/19/2022
 Supervised By :Mahesh Dadoda 10/19/2022

Quant Time: Oct 18 15:23:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	282155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	459840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	411813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	197954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	121643	46.803	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.600%		
35) Dibromofluoromethane	7.716	113	125266	48.819	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.640%		
50) Toluene-d8	10.179	98	469609	48.910	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.820%		
62) 4-Bromofluorobenzene	12.483	95	162793	47.725	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.440%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	36570	19.540	ug/l	97
3) Chloromethane	2.113	50	55386	20.627	ug/l	95
4) Vinyl Chloride	2.247	62	62106	20.407	ug/l	98
5) Bromomethane	2.637	94	42478	20.180	ug/l	96
6) Chloroethane	2.790	64	42064	20.683	ug/l	95
7) Trichlorofluoromethane	3.119	101	91274	20.491	ug/l	94
8) Diethyl Ether	3.527	74	33195	19.970	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.893	101	57933	20.734	ug/l	93
10) Methyl Iodide	4.082	142	67552	19.758	ug/l	91
11) Tert butyl alcohol	4.954	59	33345	101.036	ug/l	98
12) 1,1-Dichloroethene	3.869	96	54277	20.279	ug/l	88
13) Acrolein	3.728	56	40443	96.523	ug/l	99
14) Allyl chloride	4.472	41	85693	20.189	ug/l #	88
15) Acrylonitrile	5.155	53	88351	101.967	ug/l	96
16) Acetone	3.948	43	70896	93.932	ug/l #	88
17) Carbon Disulfide	4.192	76	161212	20.545	ug/l	100
18) Methyl Acetate	4.478	43	48796	21.368	ug/l #	91
19) Methyl tert-butyl Ether	5.222	73	149114	19.939	ug/l	98
20) Methylene Chloride	4.710	84	71938	17.803	ug/l #	83
21) trans-1,2-Dichloroethene	5.216	96	61922	20.493	ug/l	88
22) Diisopropyl ether	6.118	45	188649	20.752	ug/l #	91
23) Vinyl Acetate	6.057	43	552901	101.711	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	112393	20.478	ug/l	100
25) 2-Butanone	6.984	43	110547	96.580	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	96670	19.834	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	71266	20.464	ug/l	89
28) Bromochloromethane	7.332	49	22275	14.167	ug/l	89
29) Tetrahydrofuran	7.344	42	72036	102.292	ug/l #	86
30) Chloroform	7.502	83	113532	20.520	ug/l	97
31) Cyclohexane	7.783	56	101383	20.384	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	99069	20.371	ug/l	96
36) 1,1-Dichloropropene	7.917	75	87027	20.330	ug/l	97
37) Ethyl Acetate	7.069	43	49337	20.817	ug/l #	93
38) Carbon Tetrachloride	7.898	117	89515	20.258	ug/l	95
39) Methylcyclohexane	9.179	83	104202	20.324	ug/l	93
40) Benzene	8.161	78	256261	20.403	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	30232m	23.539	ug/l	
42) 1,2-Dichloroethane	8.234	62	70161	20.160	ug/l	91
43) Isopropyl Acetate	8.270	43	85561	20.206	ug/l #	89
44) Trichloroethene	8.941	130	70020	20.572	ug/l	96
45) 1,2-Dichloropropane	9.215	63	64860	20.353	ug/l	96
46) Dibromomethane	9.301	93	36061	20.288	ug/l	96
47) Bromodichloromethane	9.496	83	86960	20.302	ug/l	99
48) Methyl methacrylate	9.288	41	38906	20.530	ug/l #	81
49) 1,4-Dioxane	9.295	88	10288	402.857	ug/l #	92
51) 4-Methyl-2-Pentanone	10.069	43	239977	101.620	ug/l	89
52) Toluene	10.240	92	162327	20.803	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	89529	20.120	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	102380	20.106	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	52462	20.460	ug/l	98
56) Ethyl methacrylate	10.508	69	68029	19.976	ug/l #	77
57) 1,3-Dichloropropane	10.788	76	89751	20.358	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	115877	81.065	ug/l	98
59) 2-Hexanone	10.831	43	163642	100.880	ug/l	86
60) Dibromochloromethane	10.983	129	60679	19.901	ug/l	99
61) 1,2-Dibromoethane	11.087	107	49554	20.181	ug/l	100
64) Tetrachloroethene	10.721	164	64094	19.994	ug/l	98
65) Chlorobenzene	11.514	112	170895	20.213	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	63615	20.328	ug/l	97
67) Ethyl Benzene	11.593	91	302872	20.249	ug/l	99
68) m/p-Xylenes	11.703	106	235229	40.882	ug/l	95
69) o-Xylene	12.026	106	111899	20.481	ug/l	93
70) Styrene	12.044	104	188072	20.315	ug/l	95
71) Bromoform	12.209	173	38735	20.056	ug/l #	98
73) Isopropylbenzene	12.331	105	292870	20.364	ug/l	100
74) N-amyl acetate	12.142	43	71288	19.537	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.581	83	62768	20.796	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	46816m	20.831	ug/l	
77) Bromobenzene	12.605	156	68742	20.448	ug/l	99
78) n-propylbenzene	12.672	91	364023	20.804	ug/l	100
79) 2-Chlorotoluene	12.757	91	202955	20.596	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	252342	21.029	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	21169	20.258	ug/l	86
82) 4-Chlorotoluene	12.855	91	208705	20.341	ug/l	100
83) tert-Butylbenzene	13.074	119	213723	20.597	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	249141	21.055	ug/l	98
85) sec-Butylbenzene	13.251	105	327030	20.974	ug/l	98
86) p-Isopropyltoluene	13.367	119	267061	20.646	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	137843	20.546	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	136256	20.426	ug/l	99
89) n-Butylbenzene	13.696	91	251743	20.827	ug/l	99
90) Hexachloroethane	13.958	117	52754	20.665	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	123378	20.554	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9762	19.562	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	72681	20.259	ug/l	99
94) Hexachlorobutadiene	15.111	225	43811	20.747	ug/l	99
95) Naphthalene	15.233	128	145740	19.948	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	62588	19.998	ug/l	99

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

