

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081822\
 Data File : VY010088.D
 Acq On : 18 Aug 2022 17:10
 Operator : KP/MD
 Sample : VY0818SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0818SBS02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/19/2022
 Supervised By :Mahesh Dadoda 08/22/2022

Quant Time: Aug 18 19:09:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081522S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 17 05:12:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	88245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	140782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	133246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	75844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	45298	51.339	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.680%			
35) Dibromofluoromethane	7.710	113	45297	49.615	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.220%			
50) Toluene-d8	10.179	98	163998	48.552	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.100%			
62) 4-Bromofluorobenzene	12.477	95	63812	53.787	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	15933	22.056	ug/l	98
3) Chloromethane	2.107	50	18038	18.222	ug/l	96
4) Vinyl Chloride	2.241	62	25215	20.090	ug/l	99
5) Bromomethane	2.631	94	22399	21.865	ug/l	97
6) Chloroethane	2.784	64	18370	21.253	ug/l	100
7) Trichlorofluoromethane	3.107	101	31618	21.207	ug/l	97
8) Diethyl Ether	3.521	74	9558	22.890	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.887	101	18463	23.353	ug/l	99
10) Methyl Iodide	4.076	142	18594	19.868	ug/l	99
11) Tert butyl alcohol	4.948	59	9419	109.771	ug/l	97
12) 1,1-Dichloroethene	3.857	96	14895	20.585	ug/l	92
13) Acrolein	3.710	56	5071	86.101	ug/l	96
14) Allyl chloride	4.460	41	18878	17.752	ug/l	95
15) Acrylonitrile	5.149	53	21341	108.390	ug/l	97
16) Acetone	3.936	43	17973	95.102	ug/l #	88
17) Carbon Disulfide	4.180	76	31837	15.361	ug/l #	91
18) Methyl Acetate	4.466	43	9753	18.951	ug/l	93
19) Methyl tert-butyl Ether	5.210	73	40941	20.592	ug/l	99
20) Methylene Chloride	4.698	84	26815	29.275	ug/l	95
21) trans-1,2-Dichloroethene	5.210	96	17192	20.660	ug/l	93
22) Diisopropyl ether	6.112	45	44808	21.423	ug/l #	94
23) Vinyl Acetate	6.045	43	133909	101.461	ug/l	96
24) 1,1-Dichloroethane	6.003	63	29637	22.311	ug/l #	96
25) 2-Butanone	6.978	43	27523	106.455	ug/l #	85
26) 2,2-Dichloropropane	6.972	77	30804	22.066	ug/l	98
27) cis-1,2-Dichloroethene	6.972	96	20626	22.540	ug/l	94
28) Bromochloromethane	7.325	49	9864	17.845	ug/l	84
29) Tetrahydrofuran	7.338	42	15752	93.800	ug/l	91
30) Chloroform	7.496	83	34248	21.082	ug/l	98
31) Cyclohexane	7.777	56	21788	17.477	ug/l	93
32) 1,1,1-Trichloroethane	7.691	97	31472	21.372	ug/l	98
36) 1,1-Dichloropropene	7.911	75	22920	18.021	ug/l	97
37) Ethyl Acetate	7.069	43	11585	18.088	ug/l #	92
38) Carbon Tetrachloride	7.892	117	29919	19.128	ug/l	97
39) Methylcyclohexane	9.179	83	24466	17.074	ug/l	97
40) Benzene	8.155	78	70339	18.905	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	6815m	20.600	ug/l	
42) 1,2-Dichloroethane	8.234	62	22278	19.216	ug/l	98
43) Isopropyl Acetate	8.264	43	21380	17.587	ug/l	93
44) Trichloroethene	8.935	130	19969	17.757	ug/l	97
45) 1,2-Dichloropropane	9.209	63	16519	18.777	ug/l	96
46) Dibromomethane	9.301	93	11278	20.016	ug/l	98
47) Bromodichloromethane	9.490	83	28250	20.786	ug/l #	97
48) Methyl methacrylate	9.289	41	8722	16.489	ug/l	87
49) 1,4-Dioxane	9.295	88	2697	465.558	ug/l	88
51) 4-Methyl-2-Pentanone	10.069	43	58292	86.911	ug/l	94
52) Toluene	10.240	92	47987	20.011	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	25973	19.844	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	28134	19.650	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	16961	21.794	ug/l	93
56) Ethyl methacrylate	10.508	69	17153	19.070	ug/l	91
57) 1,3-Dichloropropane	10.782	76	25105	20.150	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	42052	108.031	ug/l	97
59) 2-Hexanone	10.831	43	38883	90.952	ug/l	93
60) Dibromochloromethane	10.977	129	21848	21.195	ug/l	99
61) 1,2-Dibromoethane	11.087	107	15344	20.231	ug/l	96
64) Tetrachloroethene	10.715	164	21734	19.102	ug/l	97
65) Chlorobenzene	11.514	112	55179	19.866	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	22533	20.474	ug/l	97
67) Ethyl Benzene	11.593	91	89734	19.270	ug/l	96
68) m/p-Xylenes	11.697	106	75635	40.886	ug/l	95
69) o-Xylene	12.026	106	34201	19.790	ug/l	96
70) Styrene	12.044	104	59188	20.295	ug/l	98
71) Bromoform	12.203	173	14827	21.505	ug/l #	100
73) Isopropylbenzene	12.325	105	94027	19.835	ug/l	97
74) N-amyl acetate	12.142	43	17786	16.700	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	18594	19.731	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	13078m	18.191	ug/l	
77) Bromobenzene	12.605	156	23555	18.703	ug/l	97
78) n-propylbenzene	12.666	91	114287	19.555	ug/l	98
79) 2-Chlorotoluene	12.751	91	65355	19.775	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	80684	19.537	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	5802	18.238	ug/l	94
82) 4-Chlorotoluene	12.849	91	68319	19.761	ug/l	100
83) tert-Butylbenzene	13.074	119	72665	20.025	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	82186	20.269	ug/l	99
85) sec-Butylbenzene	13.251	105	104531	19.721	ug/l	98
86) p-Isopropyltoluene	13.367	119	92135	20.282	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	51191	19.961	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	51533	19.905	ug/l	99
89) n-Butylbenzene	13.696	91	79230	19.577	ug/l	99
90) Hexachloroethane	13.958	117	18464	20.053	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	45709	20.040	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3115	19.231	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	23358	17.141	ug/l	99
94) Hexachlorobutadiene	15.111	225	14124	16.197	ug/l	98
95) Naphthalene	15.233	128	41125	17.048	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	20175	16.822	ug/l	98

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

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