

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080422\
 Data File : VY0809825.D
 Acq On : 04 Aug 2022 12:25
 Operator : KP/MD
 Sample : VY0804SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0804SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/05/2022
 Supervised By :Mahesh Dadoda 08/05/2022

Quant Time: Aug 05 01:42:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 04 02:27:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	49074	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	76088	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	70759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	41079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	19088	46.944	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.880%		
35) Dibromofluoromethane	7.710	113	20030	43.176	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	86.360%		
50) Toluene-d8	10.173	98	60853	43.827	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	87.660%		
62) 4-Bromofluorobenzene	12.477	95	33175	52.809	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	105.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	9590	18.650	ug/l	100
3) Chloromethane	2.107	50	13251	18.678	ug/l	99
4) Vinyl Chloride	2.241	62	14106	18.963	ug/l	96
5) Bromomethane	2.631	94	9818	18.267	ug/l	97
6) Chloroethane	2.778	64	8837	18.260	ug/l	98
7) Trichlorofluoromethane	3.107	101	19942	20.108	ug/l	91
8) Diethyl Ether	3.521	74	6202	20.786	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.887	101	10122	18.658	ug/l	98
10) Methyl Iodide	4.076	142	10890	17.504	ug/l	99
11) Tert butyl alcohol	4.948	59	5769	110.713	ug/l	98
12) 1,1-Dichloroethene	3.857	96	9422	19.012	ug/l	93
13) Acrolein	3.710	56	854	124.265	ug/l	99
14) Allyl chloride	4.466	41	16719	20.105	ug/l	96
15) Acrylonitrile	5.155	53	15566	98.272	ug/l	99
16) Acetone	3.936	43	13908	100.119	ug/l	99
17) Carbon Disulfide	4.180	76	29252	18.937	ug/l	98
18) Methyl Acetate	4.466	43	8518	20.553	ug/l	98
19) Methyl tert-butyl Ether	5.210	73	24473	19.251	ug/l	99
20) Methylene Chloride	4.698	84	18025	24.048	ug/l	97
21) trans-1,2-Dichloroethene	5.198	96	10969	19.469	ug/l	87
22) Diisopropyl ether	6.106	45	36238	19.681	ug/l	95
23) Vinyl Acetate	6.051	43	111886	95.214	ug/l	98
24) 1,1-Dichloroethane	6.003	63	19726	19.795	ug/l	96
25) 2-Butanone	6.978	43	22314	98.202	ug/l	92
26) 2,2-Dichloropropane	6.966	77	17576	18.973	ug/l	97
27) cis-1,2-Dichloroethene	6.978	96	12301	19.549	ug/l	97
28) Bromochloromethane	7.326	49	6957	17.907	ug/l	95
29) Tetrahydrofuran	7.344	42	14770	100.924	ug/l	97
30) Chloroform	7.502	83	19946	19.127	ug/l	98
31) Cyclohexane	7.777	56	17469	18.813	ug/l	95
32) 1,1,1-Trichloroethane	7.691	97	17270	19.112	ug/l	99
36) 1,1-Dichloropropene	7.911	75	15316	19.900	ug/l	98
37) Ethyl Acetate	7.063	43	9947	19.842	ug/l	98
38) Carbon Tetrachloride	7.892	117	15940	19.692	ug/l	98
39) Methylcyclohexane	9.179	83	17158	19.215	ug/l	97
40) Benzene	8.155	78	46185	19.782	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	4174	17.072	ug/l #	66
42) 1,2-Dichloroethane	8.228	62	13254	19.771	ug/l	98
43) Isopropyl Acetate	8.270	43	17655	20.212	ug/l #	87
44) Trichloroethene	8.935	130	12119	19.477	ug/l	88
45) 1,2-Dichloropropane	9.215	63	11720	20.088	ug/l	93
46) Dibromomethane	9.301	93	6660	18.518	ug/l	98
47) Bromodichloromethane	9.490	83	15673	18.857	ug/l	93
48) Methyl methacrylate	9.289	41	7524	18.792	ug/l	97
49) 1,4-Dioxane	9.295	88	1549	380.939	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	48692	98.827	ug/l	99
52) Toluene	10.240	92	27797	18.895	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	15436	18.947	ug/l	95
54) cis-1,3-Dichloropropene	9.923	75	17755	19.312	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	9385	19.475	ug/l	98
56) Ethyl methacrylate	10.508	69	11431	18.865	ug/l	100
57) 1,3-Dichloropropane	10.788	76	15326	18.726	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	31744	107.627	ug/l	98
59) 2-Hexanone	10.831	43	32994	96.651	ug/l	98
60) Dibromochloromethane	10.983	129	11037	19.152	ug/l	99
61) 1,2-Dibromoethane	11.087	107	8713	18.530	ug/l	99
64) Tetrachloroethene	10.715	164	11302	20.132	ug/l	95
65) Chlorobenzene	11.514	112	30391	19.771	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.587	131	11358	19.915	ug/l	99
67) Ethyl Benzene	11.587	91	50914	19.075	ug/l	97
68) m/p-Xylenes	11.697	106	41158	39.283	ug/l	98
69) o-Xylene	12.026	106	20150	21.523	ug/l	98
70) Styrene	12.038	104	34355	20.213	ug/l	97
71) Bromoform	12.203	173	8190	23.947	ug/l #	98
73) Isopropylbenzene	12.325	105	56710	19.875	ug/l	100
74) N-amyl acetate	12.142	43	17794	19.668	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	13178	20.492	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	10811m	23.006	ug/l	
77) Bromobenzene	12.605	156	14040	19.599	ug/l	99
78) n-propylbenzene	12.666	91	72217	20.060	ug/l	99
79) 2-Chlorotoluene	12.751	91	40396	20.151	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	48292	20.063	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	4434	20.251	ug/l	99
82) 4-Chlorotoluene	12.849	91	42572	20.133	ug/l	99
83) tert-Butylbenzene	13.074	119	41235	20.042	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	47169	19.877	ug/l	98
85) sec-Butylbenzene	13.251	105	63609	20.224	ug/l	98
86) p-Isopropyltoluene	13.367	119	50862	19.940	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	28011	19.899	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	27842	19.432	ug/l	99
89) n-Butylbenzene	13.696	91	46962	18.800	ug/l	100
90) Hexachloroethane	13.958	117	10771	19.660	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	24903	19.329	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1701	16.875	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	13074	18.291	ug/l	97
94) Hexachlorobutadiene	15.111	225	7668	18.314	ug/l	98
95) Naphthalene	15.233	128	24915	19.038	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	11585	18.324	ug/l	98

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

