

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011022\
 Data File : VY007100.D
 Acq On : 10 Jan 2022 12:52
 Operator : SY/MD
 Sample : VY0110SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/11/2022
 Supervised By : Mahesh Dadoda 01/11/2022

Quant Time: Jan 11 02:41:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 10 03:29:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	133846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	226833	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	203525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	85379	53.321	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.640%			
35) Dibromofluoromethane	7.722	113	78164	51.703	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.400%			
50) Toluene-d8	10.185	98	287598	51.502	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.000%			
62) 4-Bromofluorobenzene	12.483	95	104814	52.044	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.080%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.918	85	9439	20.410	ug/l	94
3) Chloromethane	2.119	50	22681	23.413	ug/l	98
4) Vinyl Chloride	2.259	62	28675	20.389	ug/l	97
5) Bromomethane	2.656	94	20813	22.275	ug/l	99
6) Chloroethane	2.802	64	19578	22.722	ug/l	99
7) Trichlorofluoromethane	3.131	101	37172	21.586	ug/l	95
8) Diethyl Ether	3.533	74	17845	21.217	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.905	101	30997	20.945	ug/l	98
10) Methyl Iodide	4.100	142	45579	19.892	ug/l	99
11) Tert butyl alcohol	4.960	59	16608	130.088	ug/l #	89
12) 1,1-Dichloroethene	3.875	96	29553	19.315	ug/l	98
13) Acrolein	3.728	56	5623	141.596	ug/l	100
14) Allyl chloride	4.484	41	47124	20.270	ug/l	97
15) Acrylonitrile	5.167	53	45746	118.463	ug/l	98
16) Acetone	3.954	43	35298	117.495	ug/l	98
17) Carbon Disulfide	4.198	76	86584	19.753	ug/l	99
18) Methyl Acetate	4.478	43	35554	25.800	ug/l	95
19) Methyl tert-butyl Ether	5.222	73	64340	21.158	ug/l	98
20) Methylene Chloride	4.722	84	35993	20.453	ug/l	93
21) trans-1,2-Dichloroethene	5.228	96	33128	20.073	ug/l	97
22) Diisopropyl ether	6.130	45	100319	21.218	ug/l	96
23) Vinyl Acetate	6.063	43	299793	109.494	ug/l	100
24) 1,1-Dichloroethane	6.021	63	58609	20.319	ug/l	98
25) 2-Butanone	6.990	43	57096	122.999	ug/l	95
26) 2,2-Dichloropropane	6.996	77	46208	20.646	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	38026	20.466	ug/l	100
28) Bromochloromethane	7.338	49	19861	18.445	ug/l	97
29) Tetrahydrofuran	7.350	42	40783	122.665	ug/l	98
30) Chloroform	7.514	83	63061	20.764	ug/l	99
31) Cyclohexane	7.789	56	56352	20.447	ug/l	95
32) 1,1,1-Trichloroethane	7.703	97	55267	20.925	ug/l	100
36) 1,1-Dichloropropene	7.923	75	48931	20.426	ug/l	99
37) Ethyl Acetate	7.075	43	27974	23.861	ug/l	99
38) Carbon Tetrachloride	7.905	117	51853	20.716	ug/l	98
39) Methylcyclohexane	9.191	83	62157	20.747	ug/l	98
40) Benzene	8.167	78	130573	20.245	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	16685m	25.033	ug/l	
42) 1,2-Dichloroethane	8.246	62	42136	21.397	ug/l	98
43) Isopropyl Acetate	8.276	43	51837	22.785	ug/l	98
44) Trichloroethene	8.947	130	34750	19.472	ug/l	98
45) 1,2-Dichloropropane	9.221	63	33140	20.754	ug/l	96
46) Dibromomethane	9.307	93	20140	21.155	ug/l	98
47) Bromodichloromethane	9.502	83	48592	20.434	ug/l	99
48) Methyl methacrylate	9.295	41	23789	23.195	ug/l	99
49) 1,4-Dioxane	9.307	88	4502	464.054	ug/l #	94
51) 4-Methyl-2-Pentanone	10.075	43	133847	119.438	ug/l	99
52) Toluene	10.246	92	84768	20.645	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	51482	20.718	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	57904	20.661	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	27039	20.904	ug/l	96
56) Ethyl methacrylate	10.514	69	40168	22.107	ug/l	97
57) 1,3-Dichloropropane	10.794	76	48487	21.363	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	95709	115.405	ug/l	98
59) 2-Hexanone	10.837	43	90064	123.885	ug/l	98
60) Dibromochloromethane	10.989	129	33637	20.842	ug/l	99
61) 1,2-Dibromoethane	11.093	107	27339	21.127	ug/l	100
64) Tetrachloroethene	10.721	164	29065	20.016	ug/l	97
65) Chlorobenzene	11.520	112	88578	20.225	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	32742	20.190	ug/l	98
67) Ethyl Benzene	11.599	91	165938	20.171	ug/l	99
68) m/p-Xylenes	11.703	106	123991	40.296	ug/l	100
69) o-Xylene	12.032	106	58744	20.381	ug/l	99
70) Styrene	12.050	104	99237	20.376	ug/l	99
71) Bromoform	12.209	173	20448	22.018	ug/l #	97
73) Isopropylbenzene	12.337	105	159330	19.809	ug/l	99
74) N-amyl acetate	12.148	43	46061	22.496	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	32751	21.351	ug/l	98
76) 1,2,3-Trichloropropane	12.635	75	24814m	23.001	ug/l	
77) Bromobenzene	12.611	156	35164	19.797	ug/l	98
78) n-propylbenzene	12.678	91	196069	19.954	ug/l	100
79) 2-Chlorotoluene	12.763	91	111553	19.956	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	132185	19.978	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.385	75	12526	21.808	ug/l #	97
82) 4-Chlorotoluene	12.861	91	115090	19.941	ug/l	100
83) tert-Butylbenzene	13.080	119	115107	19.754	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	130399	20.051	ug/l	98
85) sec-Butylbenzene	13.257	105	171800	20.233	ug/l	99
86) p-Isopropyltoluene	13.373	119	141169	20.308	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	69017	20.133	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	68868	20.178	ug/l	99
89) n-Butylbenzene	13.702	91	138452	20.420	ug/l	99
90) Hexachloroethane	13.964	117	28470	20.666	ug/l	97
91) 1,2-Dichlorobenzene	13.745	146	60909	20.236	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6055	23.704	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	38222	21.403	ug/l	98
94) Hexachlorobutadiene	15.117	225	19989	21.742	ug/l	98
95) Naphthalene	15.239	128	83813	22.380	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	32822	21.789	ug/l	99

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

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