

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011022\
 Data File : VY007099.D
 Acq On : 10 Jan 2022 11:48
 Operator : SY/MD
 Sample : VY0110SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 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 02:40:48 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	151109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	254810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	226145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	101647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	92876	51.376	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.760%			
35) Dibromofluoromethane	7.722	113	86893	51.166	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.340%			
50) Toluene-d8	10.185	98	322932	51.480	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.960%			
62) 4-Bromofluorobenzene	12.483	95	116422	51.460	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	10693	20.480	ug/l	86
3) Chloromethane	2.119	50	20902	19.112	ug/l	99
4) Vinyl Chloride	2.260	62	31022	19.538	ug/l	98
5) Bromomethane	2.662	94	21487	20.369	ug/l	93
6) Chloroethane	2.808	64	19576	20.124	ug/l	97
7) Trichlorofluoromethane	3.131	101	36772	18.914	ug/l	99
8) Diethyl Ether	3.528	74	18401	19.379	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.912	101	32918	19.702	ug/l	97
10) Methyl Iodide	4.101	142	51319	19.838	ug/l	99
11) Tert butyl alcohol	4.960	59	14071	97.625	ug/l	97
12) 1,1-Dichloroethene	3.875	96	33757	19.542	ug/l	97
13) Acrolein	3.729	56	5049	106.671	ug/l	99
14) Allyl chloride	4.485	41	53531	20.396	ug/l	99
15) Acrylonitrile	5.168	53	43093	98.844	ug/l	99
16) Acetone	3.948	43	33230	97.975	ug/l	98
17) Carbon Disulfide	4.198	76	98375	19.879	ug/l	100
18) Methyl Acetate	4.479	43	33716	21.671	ug/l	96
19) Methyl tert-butyl Ether	5.229	73	68406	19.925	ug/l	98
20) Methylene Chloride	4.723	84	38679	19.265	ug/l	98
21) trans-1,2-Dichloroethene	5.229	96	36796	19.749	ug/l	96
22) Diisopropyl ether	6.125	45	108567	20.339	ug/l	99
23) Vinyl Acetate	6.064	43	306508	99.157	ug/l	99
24) 1,1-Dichloroethane	6.027	63	66203	20.330	ug/l	97
25) 2-Butanone	6.990	43	51728	98.705	ug/l	98
26) 2,2-Dichloropropane	6.984	77	50347	19.925	ug/l	99
27) cis-1,2-Dichloroethene	6.997	96	41916	19.983	ug/l	99
28) Bromochloromethane	7.338	49	21602	17.770	ug/l	98
29) Tetrahydrofuran	7.350	42	37167	99.018	ug/l	98
30) Chloroform	7.515	83	69253	20.198	ug/l	97
31) Cyclohexane	7.789	56	62276	20.015	ug/l	90
32) 1,1,1-Trichloroethane	7.710	97	60813	20.395	ug/l	100
36) 1,1-Dichloropropene	7.923	75	53956	20.051	ug/l	100
37) Ethyl Acetate	7.082	43	26623	20.215	ug/l	98
38) Carbon Tetrachloride	7.905	117	57787	20.552	ug/l	94
39) Methylcyclohexane	9.185	83	68321	20.301	ug/l	98
40) Benzene	8.167	78	144578	19.955	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	16614m	22.190	ug/l	
42) 1,2-Dichloroethane	8.240	62	45267	20.463	ug/l	99
43) Isopropyl Acetate	8.277	43	50804	19.880	ug/l	99
44) Trichloroethene	8.941	130	39372	19.640	ug/l	98
45) 1,2-Dichloropropane	9.222	63	35976	20.057	ug/l	95
46) Dibromomethane	9.307	93	20922	19.563	ug/l	98
47) Bromodichloromethane	9.502	83	53381	19.984	ug/l	99
48) Methyl methacrylate	9.295	41	22498	19.528	ug/l	98
49) 1,4-Dioxane	9.301	88	3764	345.384	ug/l #	88
51) 4-Methyl-2-Pentanone	10.075	43	125766	99.905	ug/l	99
52) Toluene	10.246	92	92870	20.135	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	55270	19.800	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	62760	19.935	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	28983	19.947	ug/l	96
56) Ethyl methacrylate	10.514	69	39848	19.523	ug/l	96
57) 1,3-Dichloropropane	10.795	76	50664	19.871	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	92385	99.166	ug/l	99
59) 2-Hexanone	10.837	43	83376	102.093	ug/l	98
60) Dibromochloromethane	10.990	129	35384	19.517	ug/l	98
61) 1,2-Dibromoethane	11.093	107	28098	19.329	ug/l	98
64) Tetrachloroethene	10.721	164	32471	20.125	ug/l	97
65) Chlorobenzene	11.520	112	99277	20.400	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	35899	19.923	ug/l	99
67) Ethyl Benzene	11.593	91	183234	20.045	ug/l	98
68) m/p-Xylenes	11.709	106	137235	40.139	ug/l	100
69) o-Xylene	12.032	106	64221	20.052	ug/l	98
70) Styrene	12.044	104	109486	20.232	ug/l	99
71) Bromoform	12.209	173	20438	19.806	ug/l #	100
73) Isopropylbenzene	12.331	105	174521	20.178	ug/l	99
74) N-amyl acetate	12.148	43	44419	20.174	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	32211	19.528	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	22903m	19.742	ug/l	
77) Bromobenzene	12.611	156	37657	19.716	ug/l	99
78) n-propylbenzene	12.672	91	215667	20.411	ug/l	100
79) 2-Chlorotoluene	12.758	91	119941	19.953	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	145038	20.386	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	12118	19.620	ug/l #	99
82) 4-Chlorotoluene	12.855	91	126892	20.446	ug/l	99
83) tert-Butylbenzene	13.075	119	126390	20.172	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	141640	20.254	ug/l	100
85) sec-Butylbenzene	13.258	105	184571	20.215	ug/l	99
86) p-Isopropyltoluene	13.373	119	152248	20.368	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	74694	20.263	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	74893	20.406	ug/l	99
89) n-Butylbenzene	13.697	91	149266	20.473	ug/l	99
90) Hexachloroethane	13.965	117	30020	20.265	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	64925	20.059	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5289	19.255	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	38471	20.034	ug/l	99
94) Hexachlorobutadiene	15.117	225	19686	19.913	ug/l	99
95) Naphthalene	15.239	128	78390	19.466	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	32294	19.937	ug/l	99

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

