

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041222\
 Data File : VY008285.D
 Acq On : 12 Apr 2022 14:00
 Operator : KP/MD
 Sample : VY0412SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0412SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/13/2022
 Supervised By : Mahesh Dadoda 04/13/2022

Quant Time: Apr 13 08:12:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	124017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	214724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	203032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98180	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	54191	46.519	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.040%		
35) Dibromofluoromethane	7.716	113	52891	42.647	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.300%		
50) Toluene-d8	10.179	98	179673	42.338	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	84.680%		
62) 4-Bromofluorobenzene	12.483	95	69626	43.620	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	21245	20.686	ug/l	97
3) Chloromethane	2.113	50	27198	20.045	ug/l	98
4) Vinyl Chloride	2.253	62	36972	20.926	ug/l	98
5) Bromomethane	2.637	94	35020	23.070	ug/l	100
6) Chloroethane	2.790	64	25609	20.695	ug/l	98
7) Trichlorofluoromethane	3.125	101	45864	21.816	ug/l	91
8) Diethyl Ether	3.527	74	16083	21.169	ug/l	69
9) 1,1,2-Trichlorotrifluo...	3.899	101	28669	20.994	ug/l	93
10) Methyl Iodide	4.088	142	29028	20.503	ug/l	90
11) Tert butyl alcohol	4.954	59	15316	122.981	ug/l	97
12) 1,1-Dichloroethene	3.875	96	26033	21.282	ug/l #	76
13) Acrolein	3.729	56	7119	72.598	ug/l	95
14) Allyl chloride	4.478	41	34304	21.488	ug/l #	89
15) Acrylonitrile	5.161	53	39655	106.715	ug/l	98
16) Acetone	3.948	43	30959	110.493	ug/l	91
17) Carbon Disulfide	4.192	76	68046	21.086	ug/l	100
18) Methyl Acetate	4.472	43	18698	24.364	ug/l #	80
19) Methyl tert-butyl Ether	5.216	73	80928	21.438	ug/l	95
20) Methylene Chloride	4.716	84	35273	19.022	ug/l #	79
21) trans-1,2-Dichloroethene	5.216	96	31075	21.203	ug/l #	80
22) Diisopropyl ether	6.112	45	79395	21.080	ug/l #	92
23) Vinyl Acetate	6.057	43	262014	107.364	ug/l #	85
24) 1,1-Dichloroethane	6.015	63	51190	21.174	ug/l	96
25) 2-Butanone	6.984	43	49158	112.201	ug/l #	74
26) 2,2-Dichloropropane	6.978	77	47637	21.396	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	36530	21.008	ug/l	82
28) Bromochloromethane	7.332	49	17312	18.682	ug/l #	69
29) Tetrahydrofuran	7.350	42	32238	113.968	ug/l #	75
30) Chloroform	7.502	83	56916	21.083	ug/l	98
31) Cyclohexane	7.783	56	44248	21.005	ug/l #	78
32) 1,1,1-Trichloroethane	7.704	97	50735	21.484	ug/l	95
36) 1,1-Dichloropropene	7.917	75	41164	20.785	ug/l	95
37) Ethyl Acetate	7.063	43	22442	21.977	ug/l #	90
38) Carbon Tetrachloride	7.899	117	44433	20.855	ug/l	96
39) Methylcyclohexane	9.185	83	54637	21.442	ug/l #	84
40) Benzene	8.161	78	122166	20.715	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	11285m	19.754	ug/l	
42) 1,2-Dichloroethane	8.234	62	35806	20.928	ug/l	89
43) Isopropyl Acetate	8.270	43	41801	22.056	ug/l #	86
44) Trichloroethene	8.941	130	34766	20.685	ug/l	99
45) 1,2-Dichloropropane	9.215	63	30232	20.985	ug/l	96
46) Dibromomethane	9.307	93	19790	20.755	ug/l	93
47) Bromodichloromethane	9.496	83	44221	20.622	ug/l	94
48) Methyl methacrylate	9.289	41	17316	21.493	ug/l #	73
49) 1,4-Dioxane	9.295	88	5668	460.621	ug/l #	82
51) 4-Methyl-2-Pentanone	10.069	43	110091	112.497	ug/l #	84
52) Toluene	10.246	92	81880	21.073	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	45829	20.970	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	50828	20.615	ug/l #	84
55) 1,1,2-Trichloroethane	10.642	97	28127	20.679	ug/l	98
56) Ethyl methacrylate	10.508	69	35553	21.320	ug/l #	75
57) 1,3-Dichloropropane	10.788	76	45890	21.010	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.782	63	70228	106.913	ug/l	90
59) 2-Hexanone	10.831	43	76500	113.607	ug/l	81
60) Dibromochloromethane	10.983	129	32270	20.310	ug/l	98
61) 1,2-Dibromoethane	11.087	107	28047	21.090	ug/l	99
64) Tetrachloroethene	10.721	164	28974	20.248	ug/l	92
65) Chlorobenzene	11.520	112	89053	20.225	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	33367	20.308	ug/l	97
67) Ethyl Benzene	11.593	91	154807	20.675	ug/l	95
68) m/p-Xylenes	11.703	106	123473	41.463	ug/l	90
69) o-Xylene	12.032	106	59091	20.448	ug/l	91
70) Styrene	12.044	104	97533	20.465	ug/l	94
71) Bromoform	12.209	173	20287	20.484	ug/l #	97
73) Isopropylbenzene	12.331	105	155729	21.334	ug/l	99
74) N-amyl acetate	12.148	43	35936	22.676	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.581	83	34620	22.414	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	26958m	24.827	ug/l	
77) Bromobenzene	12.611	156	36222	20.250	ug/l	95
78) n-propylbenzene	12.672	91	183956	21.357	ug/l	98
79) 2-Chlorotoluene	12.757	91	103386	21.387	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	127432	21.290	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	10924	22.510	ug/l #	83
82) 4-Chlorotoluene	12.855	91	105800	21.298	ug/l	96
83) tert-Butylbenzene	13.075	119	117135	21.814	ug/l	92
84) 1,2,4-Trimethylbenzene	13.123	105	125311	21.155	ug/l	97
85) sec-Butylbenzene	13.257	105	169881	21.340	ug/l	100
86) p-Isopropyltoluene	13.373	119	139661	21.023	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	71410	20.158	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	70177	20.015	ug/l	99
89) n-Butylbenzene	13.696	91	128718	21.446	ug/l	99
90) Hexachloroethane	13.965	117	25693	20.693	ug/l	81
91) 1,2-Dichlorobenzene	13.739	146	65362	20.738	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4999	22.621	ug/l	80
93) 1,2,4-Trichlorobenzene	15.013	180	36333	19.490	ug/l	99
94) Hexachlorobutadiene	15.117	225	18690	19.749	ug/l	98
95) Naphthalene	15.239	128	79665	19.951	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	30861	18.918	ug/l	97

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

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