

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031122\
 Data File : VY007844.D
 Acq On : 11 Mar 2022 11:08
 Operator : SY/MD
 Sample : VY0311SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0311SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/14/2022
 Supervised By : Mahesh Dadoda 03/14/2022

Quant Time: Mar 11 23:19:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	201701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	348820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	321933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	156540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	113269	53.641	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.280%			
35) Dibromofluoromethane	7.722	113	108088	48.467	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.940%			
50) Toluene-d8	10.179	98	357938	43.602	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 87.200%			
62) 4-Bromofluorobenzene	12.483	95	123458	46.655	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.320%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	30519	20.894	ug/l	96
3) Chloromethane	2.113	50	54025	22.598	ug/l	92
4) Vinyl Chloride	2.253	62	67985	22.467	ug/l	95
5) Bromomethane	2.644	94	68685	28.085	ug/l	95
6) Chloroethane	2.796	64	54063	23.297	ug/l	99
7) Trichlorofluoromethane	3.131	101	77183	22.325	ug/l	87
8) Diethyl Ether	3.534	74	29043	26.107	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.906	101	48838	23.141	ug/l	94
10) Methyl Iodide	4.095	142	49609	19.320	ug/l	96
11) Tert butyl alcohol	4.960	59	20395	111.557	ug/l #	91
12) 1,1-Dichloroethene	3.869	96	44282	23.642	ug/l	81
13) Acrolein	3.735	56	19283	102.591	ug/l	96
14) Allyl chloride	4.479	41	70723	25.103	ug/l #	93
15) Acrylonitrile	5.168	53	73403	125.003	ug/l	97
16) Acetone	3.948	43	55709	129.688	ug/l	90
17) Carbon Disulfide	4.198	76	111513	22.610	ug/l	98
18) Methyl Acetate	4.479	43	38169	27.876	ug/l #	90
19) Methyl tert-butyl Ether	5.229	73	139567	24.008	ug/l	98
20) Methylene Chloride	4.723	84	61760	28.036	ug/l	87
21) trans-1,2-Dichloroethene	5.222	96	51612	23.615	ug/l	86
22) Diisopropyl ether	6.125	45	179789	26.714	ug/l	97
23) Vinyl Acetate	6.064	43	528179	124.098	ug/l	96
24) 1,1-Dichloroethane	6.021	63	105171	25.863	ug/l	99
25) 2-Butanone	6.990	43	93690	130.016	ug/l #	90
26) 2,2-Dichloropropane	6.984	77	74580	20.609	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	64137	25.027	ug/l	89
28) Bromochloromethane	7.332	49	43181	24.969	ug/l #	98
29) Tetrahydrofuran	7.344	42	61944	125.631	ug/l	94
30) Chloroform	7.509	83	108458	25.744	ug/l	99
31) Cyclohexane	7.783	56	77134	21.450	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	93140	24.841	ug/l	98
36) 1,1-Dichloropropene	7.917	75	72333	20.618	ug/l	98
37) Ethyl Acetate	7.082	43	41541	21.439	ug/l #	95
38) Carbon Tetrachloride	7.899	117	82736	22.109	ug/l	93
39) Methylcyclohexane	9.185	83	78768	18.269	ug/l	93
40) Benzene	8.161	78	225514	23.098	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	17215	18.592	ug/l #	57
42) 1,2-Dichloroethane	8.240	62	72386	23.760	ug/l	96
43) Isopropyl Acetate	8.277	43	80057	22.341	ug/l	96
44) Trichloroethene	8.941	130	57110	21.062	ug/l	99
45) 1,2-Dichloropropane	9.216	63	59909	23.728	ug/l	98
46) Dibromomethane	9.307	93	36322	23.966	ug/l	91
47) Bromodichloromethane	9.496	83	85967	24.184	ug/l	99
48) Methyl methacrylate	9.289	41	34912	22.477	ug/l #	84
49) 1,4-Dioxane	9.301	88	8794	480.628	ug/l #	78
51) 4-Methyl-2-Pentanone	10.069	43	214706	111.982	ug/l	94
52) Toluene	10.246	92	140778	22.300	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	76913	21.074	ug/l	94
54) cis-1,3-Dichloropropene	9.929	75	89810	22.273	ug/l	91
55) 1,1,2-Trichloroethane	10.648	97	47994	23.277	ug/l	94
56) Ethyl methacrylate	10.508	69	56691	20.710	ug/l	90
57) 1,3-Dichloropropane	10.788	76	81386	23.343	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	155851	104.398	ug/l	100
59) 2-Hexanone	10.831	43	142471	110.342	ug/l	92
60) Dibromochloromethane	10.984	129	57640	23.478	ug/l	99
61) 1,2-Dibromoethane	11.087	107	44783	22.788	ug/l	98
64) Tetrachloroethene	10.721	164	47371	19.851	ug/l	96
65) Chlorobenzene	11.514	112	153040	21.820	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	57811	22.041	ug/l	96
67) Ethyl Benzene	11.593	91	266418	21.063	ug/l	99
68) m/p-Xylenes	11.703	106	205916	42.429	ug/l	93
69) o-Xylene	12.032	106	96788	21.046	ug/l	94
70) Styrene	12.044	104	166560	21.630	ug/l	95
71) Bromoform	12.209	173	34222	20.955	ug/l #	99
73) Isopropylbenzene	12.331	105	261165	21.415	ug/l	99
74) N-amyl acetate	12.142	43	66228	20.401	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	58169	22.742	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	40480m	23.155	ug/l	
77) Bromobenzene	12.611	156	63420	22.577	ug/l	94
78) n-propylbenzene	12.672	91	309102	21.005	ug/l	100
79) 2-Chlorotoluene	12.758	91	174807	22.199	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	214378	21.984	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	15305	17.898	ug/l	95
82) 4-Chlorotoluene	12.855	91	179555	22.168	ug/l	96
83) tert-Butylbenzene	13.075	119	191435	21.343	ug/l	91
84) 1,2,4-Trimethylbenzene	13.117	105	212377	22.111	ug/l	99
85) sec-Butylbenzene	13.251	105	282217	21.270	ug/l	99
86) p-Isopropyltoluene	13.367	119	229684	20.959	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	125629	22.475	ug/l	95
88) 1,4-Dichlorobenzene	13.447	146	122630	22.228	ug/l	98
89) n-Butylbenzene	13.697	91	207172	20.002	ug/l	98
90) Hexachloroethane	13.959	117	46318	22.297	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	113728	22.913	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8611	22.230	ug/l	85
93) 1,2,4-Trichlorobenzene	15.001	180	61570	19.594	ug/l	99
94) Hexachlorobutadiene	15.111	225	36469	19.630	ug/l	99
95) Naphthalene	15.233	128	120955	18.922	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	55427	19.792	ug/l	99

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

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