

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030222\
 Data File : VY007684.D
 Acq On : 02 Mar 2022 11:18
 Operator : SY/MD
 Sample : VY0302SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0302SBS01

Manual Integrations
 APPROVED

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

Quant Time: Mar 03 00:33:13 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	7.789	168	362288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	575732	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	509588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	248485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	180017	47.463	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.920%		
35) Dibromofluoromethane	7.722	113	177611	48.253	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.500%		
50) Toluene-d8	10.179	98	638854	47.150	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.300%		
62) 4-Bromofluorobenzene	12.483	95	200473	45.901	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.800%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	59922	23.220	ug/l	95
3) Chloromethane	2.113	50	84545	18.751	ug/l	95
4) Vinyl Chloride	2.253	62	114496	21.066	ug/l	100
5) Bromomethane	2.643	94	100940	22.979	ug/l	95
6) Chloroethane	2.790	64	83660	20.071	ug/l	94
7) Trichlorofluoromethane	3.125	101	129158	20.799	ug/l	91
8) Diethyl Ether	3.527	74	40968	20.503	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.905	101	81650	21.540	ug/l	95
10) Methyl Iodide	4.088	142	99098	21.487	ug/l	93
11) Tert butyl alcohol	4.960	59	35450	107.955	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	70968	21.095	ug/l	86
13) Acrolein	3.729	56	41237	130.283	ug/l	98
14) Allyl chloride	4.485	41	104702	20.691	ug/l #	89
15) Acrylonitrile	5.167	53	110952	105.195	ug/l	100
16) Acetone	3.948	43	82649	107.119	ug/l #	89
17) Carbon Disulfide	4.192	76	198731	22.403	ug/l	99
18) Methyl Acetate	4.478	43	53239	20.229	ug/l #	88
19) Methyl tert-butyl Ether	5.222	73	215340	20.623	ug/l	95
20) Methylene Chloride	4.722	84	86242	20.737	ug/l #	83
21) trans-1,2-Dichloroethene	5.222	96	83690	21.319	ug/l	89
22) Diisopropyl ether	6.118	45	249664	20.653	ug/l #	96
23) Vinyl Acetate	6.064	43	806839	105.542	ug/l #	92
24) 1,1-Dichloroethane	6.027	63	151721	20.772	ug/l	98
25) 2-Butanone	6.984	43	142912	110.415	ug/l #	88
26) 2,2-Dichloropropane	6.984	77	134969	20.764	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	93138	20.234	ug/l	92
28) Bromochloromethane	7.338	49	58875	18.953	ug/l	86
29) Tetrahydrofuran	7.350	42	94245	106.417	ug/l #	84
30) Chloroform	7.515	83	156594	20.694	ug/l	98
31) Cyclohexane	7.783	56	138514	21.444	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	140662	20.886	ug/l	98
36) 1,1-Dichloropropene	7.923	75	119294	20.602	ug/l	99
37) Ethyl Acetate	7.076	43	65226	20.395	ug/l #	95
38) Carbon Tetrachloride	7.905	117	128330	20.777	ug/l	98
39) Methylcyclohexane	9.185	83	148304	20.840	ug/l	91
40) Benzene	8.161	78	334621	20.765	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	30666m	20.066	ug/l	
42) 1,2-Dichloroethane	8.240	62	101763	20.238	ug/l	94
43) Isopropyl Acetate	8.277	43	122075	20.640	ug/l #	92
44) Trichloroethene	8.941	130	91986	20.553	ug/l	96
45) 1,2-Dichloropropane	9.215	63	87119	20.906	ug/l	99
46) Dibromomethane	9.307	93	51510	20.592	ug/l	93
47) Bromodichloromethane	9.496	83	119229	20.322	ug/l	92
48) Methyl methacrylate	9.295	41	52118	20.330	ug/l #	84
49) 1,4-Dioxane	9.295	88	11966	396.234	ug/l	85
51) 4-Methyl-2-Pentanone	10.069	43	322630	101.951	ug/l	90
52) Toluene	10.246	92	214823	20.617	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	120730	20.042	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	138315	20.783	ug/l	90
55) 1,1,2-Trichloroethane	10.648	97	69911	20.543	ug/l	97
56) Ethyl methacrylate	10.508	69	90436	20.017	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	122528	21.292	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	233072	94.592	ug/l	96
59) 2-Hexanone	10.831	43	225012	105.585	ug/l	90
60) Dibromochloromethane	10.983	129	84698	20.902	ug/l	99
61) 1,2-Dibromoethane	11.087	107	66920	20.631	ug/l	98
64) Tetrachloroethene	10.721	164	78311	20.732	ug/l	97
65) Chlorobenzene	11.514	112	229645	20.685	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	85224	20.527	ug/l	98
67) Ethyl Benzene	11.593	91	407692	20.363	ug/l	96
68) m/p-Xylenes	11.703	106	319019	41.528	ug/l	93
69) o-Xylene	12.032	106	151277	20.781	ug/l	91
70) Styrene	12.044	104	246971	20.261	ug/l	96
71) Bromoform	12.209	173	54880	21.230	ug/l #	97
73) Isopropylbenzene	12.331	105	404427	20.892	ug/l	99
74) N-amyl acetate	12.142	43	104816	20.340	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	85051	20.948	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	61805m	22.272	ug/l	
77) Bromobenzene	12.605	156	93000	20.857	ug/l	94
78) n-propylbenzene	12.672	91	494528	21.170	ug/l	99
79) 2-Chlorotoluene	12.757	91	260388	20.831	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	325424	21.024	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	27376	20.168	ug/l	91
82) 4-Chlorotoluene	12.855	91	271199	21.093	ug/l	96
83) tert-Butylbenzene	13.074	119	294639	20.694	ug/l	92
84) 1,2,4-Trimethylbenzene	13.117	105	319086	20.928	ug/l	98
85) sec-Butylbenzene	13.251	105	449670	21.350	ug/l	99
86) p-Isopropyltoluene	13.367	119	363930	20.921	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	182325	20.548	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	181204	20.692	ug/l	99
89) n-Butylbenzene	13.696	91	341744	20.786	ug/l	99
90) Hexachloroethane	13.958	117	68822	20.871	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	164082	20.826	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	12186	19.819	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	97867	19.621	ug/l	100
94) Hexachlorobutadiene	15.111	225	59825	20.286	ug/l	99
95) Naphthalene	15.233	128	190217	18.746	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	87035	19.578	ug/l	100

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

