

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030222\
 Data File : VY007683.D
 Acq On : 02 Mar 2022 10:55
 Operator : SY/MD
 Sample : VY0302SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0302SBS01

Quant Time: Mar 03 00:32:51 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	342538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	536406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	475206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	231994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	160539	44.768	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.540%		
35) Dibromofluoromethane	7.722	113	158279	46.153	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.300%		
50) Toluene-d8	10.179	98	571588	45.278	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.560%		
62) 4-Bromofluorobenzene	12.477	95	178883	43.960	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	87.920%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	61310	25.463	ug/l	94
3) Chloromethane	2.113	50	83750	19.994	ug/l	90
4) Vinyl Chloride	2.253	62	114805	22.341	ug/l	99
5) Bromomethane	2.650	94	95595	23.017	ug/l	98
6) Chloroethane	2.796	64	81898	20.782	ug/l	98
7) Trichlorofluoromethane	3.125	101	132106	22.500	ug/l	94
8) Diethyl Ether	3.534	74	39082	20.687	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.899	101	81024	22.607	ug/l	95
10) Methyl Iodide	4.094	142	98352	22.555	ug/l	92
11) Tert butyl alcohol	4.960	59	29082	93.669	ug/l #	91
12) 1,1-Dichloroethene	3.875	96	72401	22.762	ug/l	88
13) Acrolein	3.735	56	33694	106.791	ug/l	100
14) Allyl chloride	4.479	41	103784	21.692	ug/l #	91
15) Acrylonitrile	5.167	53	95850	96.116	ug/l	99
16) Acetone	3.948	43	67010	91.857	ug/l	91
17) Carbon Disulfide	4.192	76	198553	23.898	ug/l	100
18) Methyl Acetate	4.485	43	46315	18.106	ug/l #	86
19) Methyl tert-butyl Ether	5.222	73	196210	19.875	ug/l	92
20) Methylene Chloride	4.716	84	85110	21.853	ug/l	87
21) trans-1,2-Dichloroethene	5.228	96	82831	22.317	ug/l	86
22) Diisopropyl ether	6.125	45	239948	20.994	ug/l	94
23) Vinyl Acetate	6.064	43	727563	100.659	ug/l #	92
24) 1,1-Dichloroethane	6.021	63	152027	22.014	ug/l	96
25) 2-Butanone	6.990	43	114066	93.209	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	135424	22.035	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	96866	22.257	ug/l	89
28) Bromochloromethane	7.338	49	53084	18.075	ug/l #	86
29) Tetrahydrofuran	7.350	42	78580	93.845	ug/l #	85
30) Chloroform	7.508	83	153547	21.461	ug/l	97
31) Cyclohexane	7.789	56	138599	22.945	ug/l	87
32) 1,1,1-Trichloroethane	7.704	97	142724	22.415	ug/l	98
36) 1,1-Dichloropropene	7.917	75	121086	22.445	ug/l	97
37) Ethyl Acetate	7.076	43	56694	19.027	ug/l #	95
38) Carbon Tetrachloride	7.905	117	129087	22.431	ug/l	97
39) Methylcyclohexane	9.185	83	149467	22.544	ug/l	88
40) Benzene	8.161	78	330643	22.022	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	31637m	22.219	ug/l	
42) 1,2-Dichloroethane	8.240	62	98661	21.060	ug/l	95
43) Isopropyl Acetate	8.271	43	104813	19.021	ug/l #	89
44) Trichloroethene	8.941	130	92963	22.294	ug/l	96
45) 1,2-Dichloropropane	9.216	63	83276	21.448	ug/l	98
46) Dibromomethane	9.307	93	48771	20.926	ug/l	96
47) Bromodichloromethane	9.496	83	116990	21.402	ug/l	99
48) Methyl methacrylate	9.295	41	44287	18.542	ug/l #	80
49) 1,4-Dioxane	9.295	88	10912	387.824	ug/l	88
51) 4-Methyl-2-Pentanone	10.069	43	275271	93.363	ug/l	90
52) Toluene	10.246	92	212235	21.862	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	114281	20.363	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	132941	21.440	ug/l	89
55) 1,1,2-Trichloroethane	10.642	97	67662	21.340	ug/l	96
56) Ethyl methacrylate	10.508	69	82045	19.491	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	113156	21.105	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	208046	90.626	ug/l	98
59) 2-Hexanone	10.831	43	187843	94.606	ug/l	88
60) Dibromochloromethane	10.983	129	79289	21.002	ug/l	100
61) 1,2-Dibromoethane	11.087	107	62479	20.674	ug/l	100
64) Tetrachloroethene	10.721	164	78029	22.152	ug/l	99
65) Chlorobenzene	11.514	112	228118	22.034	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	82765	21.378	ug/l	98
67) Ethyl Benzene	11.593	91	410215	21.971	ug/l	98
68) m/p-Xylenes	11.703	106	313722	43.793	ug/l	93
69) o-Xylene	12.032	106	147667	21.752	ug/l	93
70) Styrene	12.044	104	241783	21.271	ug/l	95
71) Bromoform	12.209	173	47453	19.685	ug/l #	99
73) Isopropylbenzene	12.331	105	399773	22.119	ug/l	99
74) N-amyl acetate	12.142	43	91393	18.996	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	76368	20.146	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	54528m	21.047	ug/l	
77) Bromobenzene	12.605	156	93283	22.408	ug/l	90
78) n-propylbenzene	12.672	91	487889	22.371	ug/l	99
79) 2-Chlorotoluene	12.758	91	262081	22.457	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	320822	22.200	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	24588	19.402	ug/l	91
82) 4-Chlorotoluene	12.855	91	269604	22.460	ug/l	96
83) tert-Butylbenzene	13.075	119	293795	22.101	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	312347	21.942	ug/l	98
85) sec-Butylbenzene	13.251	105	439477	22.349	ug/l	99
86) p-Isopropyltoluene	13.367	119	363904	22.406	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	180484	21.787	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	181095	22.149	ug/l	98
89) n-Butylbenzene	13.696	91	345479	22.507	ug/l	99
90) Hexachloroethane	13.959	117	69122	22.452	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	156655	21.297	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11076	19.294	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	94681	20.331	ug/l	99
94) Hexachlorobutadiene	15.111	225	60169	21.853	ug/l	99
95) Naphthalene	15.233	128	173670	18.332	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	81811	19.711	ug/l	99

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

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