

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031122\
 Data File : VY007843.D
 Acq On : 11 Mar 2022 10:41
 Operator : SY/MD
 Sample : VY0311SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0311SBS01

Quant Time: Mar 11 23:19:25 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 03/14/2022
 Supervised By :Mahesh Dadoda 03/14/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	243060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	393069	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	351245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	174785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	120885	47.506	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.020%		
35) Dibromofluoromethane	7.716	113	117752	46.857	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.720%		
50) Toluene-d8	10.179	98	407448	44.046	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.100%		
62) 4-Bromofluorobenzene	12.483	95	140048	46.967	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	33971	18.989	ug/l	99
3) Chloromethane	2.113	50	54908	17.919	ug/l	90
4) Vinyl Chloride	2.253	62	74084	20.317	ug/l	98
5) Bromomethane	2.643	94	73731	25.018	ug/l	99
6) Chloroethane	2.796	64	55783	19.948	ug/l	98
7) Trichlorofluoromethane	3.131	101	86011	20.645	ug/l	95
8) Diethyl Ether	3.534	74	27366	20.414	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.893	101	52528	20.654	ug/l	96
10) Methyl Iodide	4.088	142	46582	15.055	ug/l	95
11) Tert butyl alcohol	4.948	59	22873	103.822	ug/l #	94
12) 1,1-Dichloroethene	3.875	96	44435	19.687	ug/l	88
13) Acrolein	3.723	56	19524	79.375	ug/l	96
14) Allyl chloride	4.485	41	71392	21.029	ug/l #	92
15) Acrylonitrile	5.167	53	78679	111.188	ug/l	99
16) Acetone	3.954	43	59979	115.869	ug/l	93
17) Carbon Disulfide	4.198	76	117758	19.323	ug/l	99
18) Methyl Acetate	4.485	43	40648	23.897	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	143013	20.415	ug/l	97
20) Methylene Chloride	4.716	84	62347	22.714	ug/l	88
21) trans-1,2-Dichloroethene	5.222	96	53445	20.293	ug/l	88
22) Diisopropyl ether	6.118	45	181703	22.404	ug/l	97
23) Vinyl Acetate	6.064	43	541658	105.610	ug/l	97
24) 1,1-Dichloroethane	6.015	63	104812	21.389	ug/l	98
25) 2-Butanone	6.984	43	100447	115.674	ug/l	93
26) 2,2-Dichloropropane	6.984	77	74594	17.105	ug/l	94
27) cis-1,2-Dichloroethene	6.990	96	65903	21.340	ug/l	87
28) Bromochloromethane	7.332	49	42817	20.545	ug/l	91
29) Tetrahydrofuran	7.350	42	65938	110.976	ug/l #	89
30) Chloroform	7.508	83	108875	21.445	ug/l	97
31) Cyclohexane	7.789	56	87791	20.021	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	94803	20.982	ug/l	98
36) 1,1-Dichloropropene	7.917	75	78571	19.875	ug/l	100
37) Ethyl Acetate	7.076	43	43934	20.121	ug/l	97
38) Carbon Tetrachloride	7.899	117	83286	19.750	ug/l	95
39) Methylcyclohexane	9.185	83	89727	18.468	ug/l	89
40) Benzene	8.161	78	226373	20.576	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	22235m	21.310	ug/l	
42) 1,2-Dichloroethane	8.240	62	72222	21.038	ug/l	92
43) Isopropyl Acetate	8.270	43	81596	20.207	ug/l #	92
44) Trichloroethene	8.941	130	59973	19.628	ug/l	100
45) 1,2-Dichloropropane	9.215	63	59072	20.763	ug/l	93
46) Dibromomethane	9.307	93	35749	20.933	ug/l	95
47) Bromodichloromethane	9.496	83	86352	21.558	ug/l	97
48) Methyl methacrylate	9.295	41	35987	20.561	ug/l #	88
49) 1,4-Dioxane	9.301	88	8639	419.004	ug/l	89
51) 4-Methyl-2-Pentanone	10.069	43	235629	109.060	ug/l	94
52) Toluene	10.246	92	147360	20.715	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	76856	18.688	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	89043	19.597	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	48596	20.916	ug/l	97
56) Ethyl methacrylate	10.508	69	59506	19.291	ug/l	88
57) 1,3-Dichloropropane	10.788	76	81551	20.757	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.782	63	152628	90.730	ug/l	99
59) 2-Hexanone	10.831	43	155741	107.041	ug/l	92
60) Dibromochloromethane	10.990	129	58792	21.251	ug/l	99
61) 1,2-Dibromoethane	11.087	107	44433	20.064	ug/l	96
64) Tetrachloroethene	10.721	164	50605	19.437	ug/l	96
65) Chlorobenzene	11.514	112	154176	20.147	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	60038	20.980	ug/l	97
67) Ethyl Benzene	11.593	91	272253	19.728	ug/l	97
68) m/p-Xylenes	11.703	106	212882	40.204	ug/l	91
69) o-Xylene	12.032	106	100732	20.075	ug/l	92
70) Styrene	12.044	104	170022	20.237	ug/l	96
71) Bromoform	12.209	173	35548	19.950	ug/l #	99
73) Isopropylbenzene	12.331	105	265091	19.468	ug/l	99
74) N-amyl acetate	12.142	43	69909	19.287	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	60862	21.311	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	43878m	22.479	ug/l	
77) Bromobenzene	12.611	156	62578	19.952	ug/l	97
78) n-propylbenzene	12.672	91	328426	19.988	ug/l	100
79) 2-Chlorotoluene	12.757	91	177364	20.172	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	215095	19.755	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	16042	16.802	ug/l	97
82) 4-Chlorotoluene	12.855	91	185018	20.458	ug/l	98
83) tert-Butylbenzene	13.075	119	193026	19.274	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	215712	20.114	ug/l	98
85) sec-Butylbenzene	13.251	105	295435	19.942	ug/l	99
86) p-Isopropyltoluene	13.367	119	243575	19.906	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	126225	20.224	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	121632	19.746	ug/l	100
89) n-Butylbenzene	13.696	91	227481	19.670	ug/l	97
90) Hexachloroethane	13.965	117	47386	20.430	ug/l	86
91) 1,2-Dichlorobenzene	13.739	146	114546	20.669	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9474	21.905	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	61645	17.570	ug/l	99
94) Hexachlorobutadiene	15.111	225	37380	18.020	ug/l	98
95) Naphthalene	15.239	128	128207	17.962	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	56112	17.945	ug/l	99

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

