

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
 Data File : VY007971.D
 Acq On : 21 Mar 2022 22:45
 Operator : SY/MD
 Sample : VY0321SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0321SBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/22/2022
 Supervised By : Mahesh Dadoda 03/22/2022

Quant Time: Mar 22 10:13:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	216772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	389265	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	345707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	163326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	126392	51.138	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.280%			
35) Dibromofluoromethane	7.716	113	125706	45.982	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.960%			
50) Toluene-d8	10.179	98	431160	52.549	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.100%			
62) 4-Bromofluorobenzene	12.477	95	169423	43.182	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	33040	20.590	ug/l	95
3) Chloromethane	2.113	50	50077	25.806	ug/l	93
4) Vinyl Chloride	2.247	62	63715	27.325	ug/l	98
5) Bromomethane	2.637	94	48924	31.530	ug/l	96
6) Chloroethane	2.784	64	44180	24.922	ug/l	98
7) Trichlorofluoromethane	3.119	101	86483	21.760	ug/l	98
8) Diethyl Ether	3.528	74	33299	22.575	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.899	101	55102	21.465	ug/l	91
10) Methyl Iodide	4.088	142	50020	21.079	ug/l	90
11) Tert butyl alcohol	4.954	59	33401	116.001	ug/l #	93
12) 1,1-Dichloroethene	3.869	96	50202	21.328	ug/l	85
13) Acrolein	3.729	56	19857	114.499	ug/l	98
14) Allyl chloride	4.473	41	85245	21.531	ug/l	92
15) Acrylonitrile	5.161	53	93198	118.558	ug/l	98
16) Acetone	3.942	43	67788	103.386	ug/l	92
17) Carbon Disulfide	4.186	76	120431	24.031	ug/l	98
18) Methyl Acetate	4.479	43	48464	28.580	ug/l	91
19) Methyl tert-butyl Ether	5.222	73	170769	23.128	ug/l	97
20) Methylene Chloride	4.710	84	72294	26.226	ug/l	85
21) trans-1,2-Dichloroethene	5.222	96	57553	21.840	ug/l	86
22) Diisopropyl ether	6.112	45	197145	23.146	ug/l #	94
23) Vinyl Acetate	6.058	43	623249	116.825	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	109575	22.839	ug/l	98
25) 2-Butanone	6.984	43	118557	112.885	ug/l #	84
26) 2,2-Dichloropropane	6.978	77	90431	20.337	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	71851	22.716	ug/l	86
28) Bromochloromethane	7.332	49	42648	22.506	ug/l	91
29) Tetrahydrofuran	7.350	42	80332	119.375	ug/l	88
30) Chloroform	7.509	83	113814	22.951	ug/l	98
31) Cyclohexane	7.777	56	94203	23.686	ug/l	93
32) 1,1,1-Trichloroethane	7.698	97	97774	21.891	ug/l	96
36) 1,1-Dichloropropene	7.917	75	82133	20.256	ug/l	99
37) Ethyl Acetate	7.070	43	53701	21.705	ug/l #	92
38) Carbon Tetrachloride	7.899	117	83832	19.348	ug/l	98
39) Methylcyclohexane	9.179	83	103633	21.230	ug/l	92
40) Benzene	8.161	78	241845	20.411	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	29917m	19.607	ug/l	
42) 1,2-Dichloroethane	8.234	62	75461	21.996	ug/l	91
43) Isopropyl Acetate	8.271	43	99992	20.964	ug/l #	91
44) Trichloroethene	8.935	130	62838	19.179	ug/l	94
45) 1,2-Dichloropropane	9.216	63	64832	21.131	ug/l	94
46) Dibromomethane	9.301	93	38181	21.273	ug/l	89
47) Bromodichloromethane	9.496	83	91744	21.159	ug/l	98
48) Methyl methacrylate	9.289	41	42220	19.899	ug/l #	84
49) 1,4-Dioxane	9.295	88	10678	420.086	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	269820	107.370	ug/l	89
52) Toluene	10.240	92	155797	20.474	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	91690	19.823	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	104230	20.207	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	54524	20.910	ug/l	96
56) Ethyl methacrylate	10.508	69	76483	20.431	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	92130	21.187	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	181776	98.986	ug/l	97
59) 2-Hexanone	10.831	43	186392	103.720	ug/l	88
60) Dibromochloromethane	10.984	129	62616	20.050	ug/l	99
61) 1,2-Dibromoethane	11.087	107	51996	20.612	ug/l	99
64) Tetrachloroethene	10.715	164	50161	18.646	ug/l	95
65) Chlorobenzene	11.514	112	167133	20.182	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	63367	20.323	ug/l	96
67) Ethyl Benzene	11.593	91	304703	20.655	ug/l	100
68) m/p-Xylenes	11.703	106	229994	39.968	ug/l	95
69) o-Xylene	12.026	106	113315	20.358	ug/l	93
70) Styrene	12.044	104	191886	20.504	ug/l	96
71) Bromoform	12.209	173	36415	18.234	ug/l #	99
73) Isopropylbenzene	12.325	105	297784	20.714	ug/l	100
74) N-amyl acetate	12.142	43	92711	21.859	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	65809	21.266	ug/l	96
76) 1,2,3-Trichloropropane	12.630	75	49607m	21.309	ug/l	
77) Bromobenzene	12.605	156	64493	19.631	ug/l	92
78) n-propylbenzene	12.672	91	364291	20.985	ug/l	100
79) 2-Chlorotoluene	12.758	91	205056	20.995	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	243291	20.579	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	21833	19.699	ug/l	86
82) 4-Chlorotoluene	12.855	91	211387	20.834	ug/l	100
83) tert-Butylbenzene	13.075	119	219413	20.739	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	242923	20.961	ug/l	99
85) sec-Butylbenzene	13.251	105	331818	20.928	ug/l	99
86) p-Isopropyltoluene	13.367	119	265721	20.644	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	129915	20.248	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	131325	20.422	ug/l	97
89) n-Butylbenzene	13.696	91	258563	20.932	ug/l	99
90) Hexachloroethane	13.959	117	51752	20.143	ug/l	76
91) 1,2-Dichlorobenzene	13.739	146	119572	20.719	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10673	20.047	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	66212	18.149	ug/l	98
94) Hexachlorobutadiene	15.111	225	33238	17.077	ug/l	97
95) Naphthalene	15.233	128	168068	20.648	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	60293	18.738	ug/l	97

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

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