

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040522\
 Data File : VY008201.D
 Acq On : 05 Apr 2022 11:44
 Operator : SY/MD
 Sample : VY0405SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0405SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/06/2022
 Supervised By : Mahesh Dadoda 04/06/2022

Quant Time: Apr 06 03:55:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	152771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	259483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	233665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	71590	46.707	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.420%		
35) Dibromofluoromethane	7.716	113	76059	46.751	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.500%		
50) Toluene-d8	10.179	98	281285	45.892	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.780%		
62) 4-Bromofluorobenzene	12.483	95	95493	44.160	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	25341	18.401	ug/l	95
3) Chloromethane	2.113	50	32850	19.588	ug/l	93
4) Vinyl Chloride	2.253	62	43983	19.712	ug/l	97
5) Bromomethane	2.644	94	38534	21.073	ug/l	98
6) Chloroethane	2.790	64	29619	20.180	ug/l	99
7) Trichlorofluoromethane	3.125	101	50152	17.768	ug/l	99
8) Diethyl Ether	3.528	74	17407	19.044	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.893	101	31047	17.732	ug/l	94
10) Methyl Iodide	4.088	142	32042	16.834	ug/l	89
11) Tert butyl alcohol	4.954	59	14287	89.839	ug/l #	95
12) 1,1-Dichloroethene	3.875	96	29772	18.368	ug/l	81
13) Acrolein	3.735	56	9720	75.093	ug/l	99
14) Allyl chloride	4.479	41	38878	18.230	ug/l #	91
15) Acrylonitrile	5.167	53	42464	97.531	ug/l	97
16) Acetone	3.948	43	31632	90.289	ug/l #	86
17) Carbon Disulfide	4.192	76	84861	18.477	ug/l	98
18) Methyl Acetate	4.479	43	19370	16.106	ug/l #	78
19) Methyl tert-butyl Ether	5.216	73	85379	18.535	ug/l	97
20) Methylene Chloride	4.716	84	40566	19.930	ug/l #	82
21) trans-1,2-Dichloroethene	5.222	96	35537	18.935	ug/l #	81
22) Diisopropyl ether	6.119	45	87900	19.158	ug/l #	91
23) Vinyl Acetate	6.058	43	280983	98.835	ug/l #	87
24) 1,1-Dichloroethane	6.015	63	56975	18.757	ug/l	99
25) 2-Butanone	6.984	43	51592	96.769	ug/l #	78
26) 2,2-Dichloropropane	6.978	77	51516	17.909	ug/l	91
27) cis-1,2-Dichloroethene	6.984	96	40968	18.832	ug/l	80
28) Bromochloromethane	7.332	49	20063	20.023	ug/l #	71
29) Tetrahydrofuran	7.350	42	33627	97.016	ug/l #	75
30) Chloroform	7.509	83	62227	18.920	ug/l	99
31) Cyclohexane	7.783	56	50707	17.698	ug/l #	78
32) 1,1,1-Trichloroethane	7.704	97	54957	18.084	ug/l	95
36) 1,1-Dichloropropene	7.917	75	47140	18.446	ug/l	96
37) Ethyl Acetate	7.070	43	23532	19.712	ug/l #	92
38) Carbon Tetrachloride	7.899	117	48512	17.419	ug/l	96
39) Methylcyclohexane	9.185	83	59210	17.165	ug/l #	84
40) Benzene	8.161	78	137024	18.745	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	10881m	18.152	ug/l	
42) 1,2-Dichloroethane	8.234	62	38504	18.777	ug/l	89
43) Isopropyl Acetate	8.277	43	43397	18.517	ug/l #	86
44) Trichloroethene	8.941	130	39256	18.571	ug/l	95
45) 1,2-Dichloropropane	9.216	63	32222	18.703	ug/l	97
46) Dibromomethane	9.307	93	21771	19.219	ug/l	95
47) Bromodichloromethane	9.496	83	47442	18.315	ug/l	97
48) Methyl methacrylate	9.295	41	18052	17.391	ug/l #	72
49) 1,4-Dioxane	9.295	88	5519	366.494	ug/l #	79
51) 4-Methyl-2-Pentanone	10.069	43	113277	95.835	ug/l #	84
52) Toluene	10.246	92	90466	18.871	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	48427	18.238	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	55537	18.477	ug/l #	80
55) 1,1,2-Trichloroethane	10.648	97	30158	19.281	ug/l	95
56) Ethyl methacrylate	10.508	69	37059	18.163	ug/l #	74
57) 1,3-Dichloropropane	10.788	76	48830	19.074	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	72796	86.110	ug/l #	90
59) 2-Hexanone	10.831	43	77983	94.284	ug/l	81
60) Dibromochloromethane	10.984	129	34401	18.083	ug/l	99
61) 1,2-Dibromoethane	11.087	107	29848	19.160	ug/l	96
64) Tetrachloroethene	10.721	164	32290	17.992	ug/l	97
65) Chlorobenzene	11.520	112	98582	18.711	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	35472	18.252	ug/l	97
67) Ethyl Benzene	11.593	91	170465	18.460	ug/l	96
68) m/p-Xylenes	11.703	106	136747	37.242	ug/l	90
69) o-Xylene	12.032	106	65209	18.548	ug/l	91
70) Styrene	12.044	104	107908	18.749	ug/l	94
71) Bromoform	12.209	173	20446	17.425	ug/l #	99
73) Isopropylbenzene	12.331	105	169604	18.294	ug/l	100
74) N-amyl acetate	12.148	43	36869	18.091	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.587	83	35799	19.867	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	26865m	19.621	ug/l	
77) Bromobenzene	12.611	156	39855	18.739	ug/l	92
78) n-propylbenzene	12.672	91	202967	18.561	ug/l	99
79) 2-Chlorotoluene	12.758	91	111263	18.341	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	138142	18.189	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	10791	17.585	ug/l #	84
82) 4-Chlorotoluene	12.855	91	114295	18.362	ug/l	95
83) tert-Butylbenzene	13.081	119	121849	18.008	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	137210	18.552	ug/l	96
85) sec-Butylbenzene	13.258	105	183583	18.381	ug/l	99
86) p-Isopropyltoluene	13.373	119	153443	18.460	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	77542	18.389	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	77566	18.445	ug/l	99
89) n-Butylbenzene	13.696	91	141396	18.489	ug/l	99
90) Hexachloroethane	13.965	117	27327	16.968	ug/l	83
91) 1,2-Dichlorobenzene	13.739	146	69667	18.766	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5078	17.656	ug/l	73
93) 1,2,4-Trichlorobenzene	15.013	180	40985	18.432	ug/l	99
94) Hexachlorobutadiene	15.117	225	20711	17.607	ug/l	97
95) Naphthalene	15.239	128	88131	17.931	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	34617	17.993	ug/l	97

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

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