

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071322\
 Data File : VY009551.D
 Acq On : 13 Jul 2022 11:11
 Operator : KP/MD
 Sample : VY0713SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0713SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/14/2022
 Supervised By : Mahesh Dadoda 07/14/2022

Quant Time: Jul 14 02:43:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	158136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	243689	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	227494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	123955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	55378	49.671	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.340%		
35) Dibromofluoromethane	7.710	113	59310	46.256	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.520%		
50) Toluene-d8	10.173	98	171528	48.557	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	97.120%		
62) 4-Bromofluorobenzene	12.477	95	92432	51.069	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	102.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	22181	18.291	ug/l	97
3) Chloromethane	2.107	50	21138	15.609	ug/l	97
4) Vinyl Chloride	2.241	62	27209	17.647	ug/l	96
5) Bromomethane	2.619	94	20494	18.501	ug/l	85
6) Chloroethane	2.778	64	16728	18.583	ug/l	99
7) Trichlorofluoromethane	3.113	101	40637	19.741	ug/l	93
8) Diethyl Ether	3.521	74	15204	19.305	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.887	101	26495	18.996	ug/l	97
10) Methyl Iodide	4.076	142	27780	17.751	ug/l	90
11) Tert butyl alcohol	4.942	59	17975	71.302	ug/l #	91
12) 1,1-Dichloroethene	3.857	96	22612	17.479	ug/l	86
13) Acrolein	3.723	56	4905	64.704	ug/l	99
14) Allyl chloride	4.472	41	40133	18.031	ug/l	97
15) Acrylonitrile	5.155	53	42309	97.632	ug/l	99
16) Acetone	3.936	43	35448	92.147	ug/l	99
17) Carbon Disulfide	4.180	76	49714	14.963	ug/l	98
18) Methyl Acetate	4.466	43	24027	21.272	ug/l	92
19) Methyl tert-butyl Ether	5.210	73	77431	19.776	ug/l	93
20) Methylene Chloride	4.698	84	33814	15.283	ug/l	88
21) trans-1,2-Dichloroethene	5.204	96	25307	16.696	ug/l	87
22) Diisopropyl ether	6.106	45	96292	20.349	ug/l	92
23) Vinyl Acetate	6.051	43	296310	89.329	ug/l	96
24) 1,1-Dichloroethane	6.009	63	49853	18.682	ug/l	99
25) 2-Butanone	6.978	43	61180	98.312	ug/l	97
26) 2,2-Dichloropropane	6.966	77	52397	19.923	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	33420	18.728	ug/l	90
28) Bromochloromethane	7.326	49	20016	17.846	ug/l #	82
29) Tetrahydrofuran	7.338	42	39641	98.486	ug/l	95
30) Chloroform	7.496	83	55524	19.012	ug/l	100
31) Cyclohexane	7.777	56	42143	16.244	ug/l #	86
32) 1,1,1-Trichloroethane	7.691	97	48590	18.871	ug/l	98
36) 1,1-Dichloropropene	7.911	75	38096	18.250	ug/l	97
37) Ethyl Acetate	7.070	43	26888	20.548	ug/l #	95
38) Carbon Tetrachloride	7.893	117	43643	19.549	ug/l	98
39) Methylcyclohexane	9.179	83	43536	17.374	ug/l	92
40) Benzene	8.155	78	114161	18.624	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	14104m	20.758	ug/l	
42) 1,2-Dichloroethane	8.228	62	37841	20.562	ug/l	93
43) Isopropyl Acetate	8.264	43	49951	20.459	ug/l	96
44) Trichloroethene	8.929	130	32737	18.905	ug/l	95
45) 1,2-Dichloropropane	9.209	63	30304	19.535	ug/l	93
46) Dibromomethane	9.295	93	17263	18.960	ug/l	94
47) Bromodichloromethane	9.490	83	42807	19.753	ug/l	99
48) Methyl methacrylate	9.289	41	20889	19.858	ug/l #	86
49) 1,4-Dioxane	9.295	88	5552	414.066	ug/l	93
51) 4-Methyl-2-Pentanone	10.063	43	138744	108.059	ug/l	98
52) Toluene	10.240	92	76555	19.599	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	45380	19.871	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	49977	19.626	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	26227	19.967	ug/l	97
56) Ethyl methacrylate	10.508	69	34673	19.883	ug/l	88
57) 1,3-Dichloropropane	10.788	76	43047	19.880	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.776	63	83331	97.819	ug/l	95
59) 2-Hexanone	10.831	43	96209	108.137	ug/l	95
60) Dibromochloromethane	10.983	129	32284	20.297	ug/l	98
61) 1,2-Dibromoethane	11.087	107	24741	19.648	ug/l	100
64) Tetrachloroethene	10.715	164	31114	16.358	ug/l	92
65) Chlorobenzene	11.514	112	88081	19.714	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	33890	20.164	ug/l	99
67) Ethyl Benzene	11.587	91	150630	19.311	ug/l	98
68) m/p-Xylenes	11.703	106	120123	39.487	ug/l	93
69) o-Xylene	12.026	106	57291	19.648	ug/l	93
70) Styrene	12.044	104	98526	20.230	ug/l	95
71) Bromoform	12.203	173	21921	20.464	ug/l #	100
73) Isopropylbenzene	12.325	105	155188	18.306	ug/l	99
74) N-amyl acetate	12.142	43	48044	19.919	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	33259	19.594	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	28387m	21.634	ug/l	
77) Bromobenzene	12.605	156	37301	18.074	ug/l	95
78) n-propylbenzene	12.666	91	188270	18.383	ug/l	97
79) 2-Chlorotoluene	12.751	91	106889	18.642	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	132531	18.704	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	11364	17.725	ug/l	91
82) 4-Chlorotoluene	12.849	91	113470	18.883	ug/l	97
83) tert-Butylbenzene	13.075	119	118863	18.855	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	133627	18.946	ug/l	97
85) sec-Butylbenzene	13.251	105	176600	19.021	ug/l	98
86) p-Isopropyltoluene	13.367	119	146140	18.884	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	78652	19.307	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	78997	19.160	ug/l	98
89) n-Butylbenzene	13.696	91	137715	19.056	ug/l	99
90) Hexachloroethane	13.959	117	28411	18.711	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	71059	19.039	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.349	75	5674	19.072	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	40633	17.850	ug/l	99
94) Hexachlorobutadiene	15.111	225	23431	18.722	ug/l	97
95) Naphthalene	15.233	128	84819	18.021	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	35646	18.080	ug/l	98

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

