

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072522\
 Data File : VY009690.D
 Acq On : 25 Jul 2022 17:25
 Operator : KP/MD
 Sample : VY0725SBS03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0725SBS03

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/26/2022
 Supervised By :Mahesh Dadoda 07/26/2022

Quant Time: Jul 26 05:57:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	9776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	13794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	12382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	5439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	5201	56.253	ug/l	0.00
Spiked Amount 50.000	Range 50	- 163	Recovery	=	112.500%	
35) Dibromofluoromethane	7.698	113	2409	27.721	ug/l	-0.01
Spiked Amount 50.000	Range 54	- 147	Recovery	=	55.440%	
50) Toluene-d8	10.173	98	17382	52.030	ug/l	0.00
Spiked Amount 50.000	Range 78	- 125	Recovery	=	104.060%	
62) 4-Bromofluorobenzene	12.477	95	4543	41.967	ug/l	0.00
Spiked Amount 50.000	Range 50	- 146	Recovery	=	83.940%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	2510	29.261	ug/l	96
3) Chloromethane	2.107	50	3272	25.739	ug/l	98
4) Vinyl Chloride	2.241	62	3096	23.290	ug/l	92
5) Bromomethane	2.656	94	1943	21.595	ug/l	95
6) Chloroethane	2.790	64	1741	21.561	ug/l	94
7) Trichlorofluoromethane	3.125	101	3635	23.076	ug/l	96
8) Diethyl Ether	3.515	74	1108	21.498	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.881	101	2308	25.056	ug/l	93
10) Methyl Iodide	4.082	142	3385	27.664	ug/l #	87
11) Tert butyl alcohol	4.924	59	1236	119.452	ug/l #	77
12) 1,1-Dichloroethene	3.857	96	2237	24.883	ug/l #	69
13) Acrolein	3.710	56	654	98.942	ug/l #	68
14) Allyl chloride	4.466	41	2629	18.904	ug/l #	87
15) Acrylonitrile	5.155	53	2778	109.137	ug/l	95
16) Acetone	3.930	43	3384	144.685	ug/l	93
17) Carbon Disulfide	4.186	76	5486	19.629	ug/l	97
18) Methyl Acetate	4.466	43	1340	20.410	ug/l #	87
19) Methyl tert-butyl Ether	5.204	73	4079	17.215	ug/l #	90
20) Methylene Chloride	4.704	84	3943	29.648	ug/l #	80
21) trans-1,2-Dichloroethene	5.198	96	2375	23.341	ug/l #	78
22) Diisopropyl ether	6.100	45	5387	18.140	ug/l #	90
23) Vinyl Acetate	6.094	43	3543	18.909	ug/l #	75
24) 1,1-Dichloroethane	6.003	63	4089	23.840	ug/l #	94
25) 2-Butanone	6.972	43	3729	109.301	ug/l #	79
26) 2,2-Dichloropropane	6.972	77	1764	11.480	ug/l	85
27) cis-1,2-Dichloroethene	6.978	96	2536	22.542	ug/l	80
28) Bromochloromethane	7.320	49	1539	20.942	ug/l #	83
29) Tetrahydrofuran	7.344	42	2236	99.825	ug/l	96
30) Chloroform	7.496	83	4284	24.416	ug/l	84
31) Cyclohexane	7.777	56	3001	18.408	ug/l #	82
32) 1,1,1-Trichloroethane	7.691	97	3922	24.921	ug/l	95
36) 1,1-Dichloropropene	7.911	75	2887	22.481	ug/l	94
37) Ethyl Acetate	7.051	43	1651	23.100	ug/l #	78
38) Carbon Tetrachloride	7.893	117	3232	24.042	ug/l	89
39) Methylcyclohexane	9.179	83	2870	18.125	ug/l #	81
40) Benzene	8.155	78	9394	25.000	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.295	41	826	24.084	ug/l #	17
42) 1,2-Dichloroethane	8.228	62	2737	25.965	ug/l	93
43) Isopropyl Acetate	8.265	43	2778	21.212	ug/l #	87
44) Trichloroethene	8.929	130	2985	27.932	ug/l	95
45) 1,2-Dichloropropane	9.210	63	2228	24.167	ug/l	90
46) Dibromomethane	9.295	93	1274	23.794	ug/l	91
47) Bromodichloromethane	9.490	83	2889	23.011	ug/l	97
48) Methyl methacrylate	9.289	41	1018	17.594	ug/l #	84
49) 1,4-Dioxane	9.283	88	338	473.585	ug/l #	74
51) 4-Methyl-2-Pentanone	10.063	43	6487	95.398	ug/l	95
52) Toluene	10.240	92	5007	21.036	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	1217	9.385	ug/l	89
54) cis-1,3-Dichloropropene	9.929	75	2110	14.310	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	1723	22.849	ug/l	94
56) Ethyl methacrylate	10.502	69	1569	16.263	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	2738	21.880	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.776	63	145	30.749	ug/l #	48
59) 2-Hexanone	10.831	43	3847	81.341	ug/l	88
60) Dibromochloromethane	10.977	129	1976	21.656	ug/l	97
61) 1,2-Dibromoethane	11.081	107	1468	19.953	ug/l	94
64) Tetrachloroethene	10.715	164	3838	39.607	ug/l	94
65) Chlorobenzene	11.514	112	5673	22.421	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	2149	22.860	ug/l	92
67) Ethyl Benzene	11.587	91	8236	18.507	ug/l	90
68) m/p-Xylenes	11.703	106	6395	36.108	ug/l	87
69) o-Xylene	12.026	106	2881	17.383	ug/l	97
70) Styrene	12.044	104	4440	16.107	ug/l	93
71) Bromoform	12.203	173	1119	18.862	ug/l #	98
73) Isopropylbenzene	12.325	105	7949	21.108	ug/l	97
74) N-amyl acetate	12.136	43	1408	14.059	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	1378	18.272	ug/l	83
76) 1,2,3-Trichloropropane	12.630	75	1040m	20.072	ug/l	
77) Bromobenzene	12.605	156	2305	24.341	ug/l	77
78) n-propylbenzene	12.666	91	8178	17.972	ug/l	92
79) 2-Chlorotoluene	12.752	91	5077	20.124	ug/l	92
80) 1,3,5-Trimethylbenzene	12.813	105	5508	17.701	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.477	75	2443	92.972	ug/l #	7
82) 4-Chlorotoluene	12.855	91	4981	19.031	ug/l	92
83) tert-Butylbenzene	13.075	119	5271	19.066	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	5084	16.337	ug/l	96
85) sec-Butylbenzene	13.251	105	7595	18.530	ug/l	94
86) p-Isopropyltoluene	13.367	119	6087	17.671	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	3983	21.262	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	3745	20.163	ug/l	98
89) n-Butylbenzene	13.697	91	5816	18.488	ug/l	96
90) Hexachloroethane	13.959	117	1007	15.174	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	3640	22.243	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.355	75	117	10.198	ug/l #	49
93) 1,2,4-Trichlorobenzene	15.001	180	1357	13.212	ug/l	89
94) Hexachlorobutadiene	15.111	225	1265	20.761	ug/l	91
95) Naphthalene	15.233	128	1787	9.113	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.422	180	1053	11.671	ug/l	95

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

