

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050223\
 Data File : VY013548.D
 Acq On : 02 May 2023 11:52
 Operator : KP/MD
 Sample : VY0502SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0502SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/03/2023
 Supervised By :Mahesh Dadoda 05/03/2023

Quant Time: May 03 01:32:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	283426	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	434896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	397736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	205481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	161774	52.068	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.140%			
35) Dibromofluoromethane	7.716	113	139347	50.944	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.880%			
50) Toluene-d8	10.179	98	482191	49.554	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.100%			
62) 4-Bromofluorobenzene	12.477	95	175526	53.507	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	60975	22.630	ug/l	98
3) Chloromethane	2.113	50	71101	19.686	ug/l	99
4) Vinyl Chloride	2.247	62	70914	19.719	ug/l	94
5) Bromomethane	2.650	94	55755	19.455	ug/l	95
6) Chloroethane	2.790	64	48345	19.460	ug/l	97
7) Trichlorofluoromethane	3.125	101	117394	21.549	ug/l	97
8) Diethyl Ether	3.534	74	38145	20.561	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.899	101	62048	20.305	ug/l	98
10) Methyl Iodide	4.088	142	74621	19.442	ug/l	97
11) Tert butyl alcohol	4.985	59	37788	108.350	ug/l	98
12) 1,1-Dichloroethene	3.875	96	59549	20.216	ug/l	94
13) Acrolein	3.729	56	31981	112.953	ug/l	96
14) Allyl chloride	4.473	41	111515	20.403	ug/l	96
15) Acrylonitrile	5.168	53	117751	113.334	ug/l	100
16) Acetone	3.960	43	127679	104.351	ug/l	93
17) Carbon Disulfide	4.192	76	191518	20.016	ug/l	97
18) Methyl Acetate	4.479	43	88009	21.778	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	180850	21.267	ug/l	98
20) Methylene Chloride	4.716	84	90116	18.397	ug/l #	87
21) trans-1,2-Dichloroethene	5.216	96	68289	21.204	ug/l	94
22) Diisopropyl ether	6.119	45	226967	21.246	ug/l	95
23) Vinyl Acetate	6.058	43	704417	116.460	ug/l	96
24) 1,1-Dichloroethane	6.015	63	125946	21.153	ug/l	96
25) 2-Butanone	6.984	43	171349	110.424	ug/l	93
26) 2,2-Dichloropropane	6.978	77	110233	21.486	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	76274	21.435	ug/l	97
28) Bromochloromethane	7.332	49	45873	21.712	ug/l	86
29) Tetrahydrofuran	7.350	42	105898	109.634	ug/l	92
30) Chloroform	7.509	83	132077	22.311	ug/l	99
31) Cyclohexane	7.783	56	108130	19.438	ug/l	96
32) 1,1,1-Trichloroethane	7.698	97	116575	22.068	ug/l	98
36) 1,1-Dichloropropene	7.917	75	95415	21.018	ug/l	98
37) Ethyl Acetate	7.076	43	74659	21.854	ug/l	97
38) Carbon Tetrachloride	7.899	117	106381	22.358	ug/l	95
39) Methylcyclohexane	9.185	83	107351	20.059	ug/l	96
40) Benzene	8.161	78	278849	21.806	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	39826m	25.017	ug/l	
42) 1,2-Dichloroethane	8.234	62	95644	22.878	ug/l	99
43) Isopropyl Acetate	8.271	43	124014	21.507	ug/l	98
44) Trichloroethene	8.941	130	74298	21.843	ug/l	96
45) 1,2-Dichloropropane	9.216	63	72857	21.791	ug/l	98
46) Dibromomethane	9.307	93	43747	21.868	ug/l	97
47) Bromodichloromethane	9.496	83	100902	22.541	ug/l	98
48) Methyl methacrylate	9.295	41	57231	21.611	ug/l	95
49) 1,4-Dioxane	9.319	88	12888	451.074	ug/l #	78
51) 4-Methyl-2-Pentanone	10.069	43	366783	114.149	ug/l	95
52) Toluene	10.246	92	173529	22.550	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	106225	22.422	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	115241	21.618	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	60737	22.926	ug/l	97
56) Ethyl methacrylate	10.508	69	83162	22.626	ug/l	93
57) 1,3-Dichloropropane	10.788	76	101864	22.703	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	164790	119.564	ug/l	95
59) 2-Hexanone	10.831	43	270000	115.596	ug/l	96
60) Dibromochloromethane	10.984	129	75022	23.322	ug/l	99
61) 1,2-Dibromoethane	11.087	107	59459	22.828	ug/l	97
64) Tetrachloroethene	10.721	164	64473	21.318	ug/l	96
65) Chlorobenzene	11.514	112	185992	21.467	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	71351	22.019	ug/l	98
67) Ethyl Benzene	11.593	91	322003	21.164	ug/l	99
68) m/p-Xylenes	11.703	106	251483	43.481	ug/l	98
69) o-Xylene	12.032	106	116415	21.282	ug/l	96
70) Styrene	12.044	104	201636	22.046	ug/l	100
71) Bromoform	12.209	173	52293	23.039	ug/l #	100
73) Isopropylbenzene	12.331	105	310507	19.979	ug/l	98
74) N-amyl acetate	12.142	43	112218	20.290	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	78470	20.656	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	59795m	21.578	ug/l	
77) Bromobenzene	12.605	156	81596	21.667	ug/l	95
78) n-propylbenzene	12.672	91	391405	20.446	ug/l	98
79) 2-Chlorotoluene	12.758	91	221470	20.717	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	265879	20.960	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	26306	19.418	ug/l	93
82) 4-Chlorotoluene	12.855	91	232674	20.882	ug/l	98
83) tert-Butylbenzene	13.075	119	223197	20.309	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	260050	21.086	ug/l	99
85) sec-Butylbenzene	13.251	105	335627	20.348	ug/l	99
86) p-Isopropyltoluene	13.367	119	281896	21.253	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	155466	21.669	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	154289	21.289	ug/l	99
89) n-Butylbenzene	13.697	91	264974	20.468	ug/l	98
90) Hexachloroethane	13.959	117	56926	20.392	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	140459	21.680	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14352	21.392	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	86990	22.520	ug/l	99
94) Hexachlorobutadiene	15.111	225	53326	23.721	ug/l	99
95) Naphthalene	15.239	128	181402	21.644	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	79486	23.087	ug/l	98

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

