

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011223\
 Data File : VY012179.D
 Acq On : 12 Jan 2023 16:02
 Operator : KP/MD
 Sample : VY0112SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0112SBS02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/13/2023
 Supervised By :Mahesh Dadoda 01/13/2023

Quant Time: Jan 13 00:38:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	191568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	288580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	262926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	138582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	95389	44.314	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.620%		
35) Dibromofluoromethane	7.716	113	93821	49.463	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.920%		
50) Toluene-d8	10.179	98	347447	46.409	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.820%		
62) 4-Bromofluorobenzene	12.483	95	128937	49.271	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	37933	22.832	ug/l	99
3) Chloromethane	2.113	50	37232	25.151	ug/l	98
4) Vinyl Chloride	2.253	62	41903	22.506	ug/l	100
5) Bromomethane	2.649	94	32316	24.362	ug/l	97
6) Chloroethane	2.796	64	27213	22.061	ug/l	95
7) Trichlorofluoromethane	3.125	101	76682	20.674	ug/l	98
8) Diethyl Ether	3.533	74	23179	20.411	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.905	101	42409	22.207	ug/l	97
10) Methyl Iodide	4.088	142	48612	18.777	ug/l	99
11) Tert butyl alcohol	4.942	59	21880	62.135	ug/l	97
12) 1,1-Dichloroethene	3.875	96	41235	22.024	ug/l	97
13) Acrolein	3.735	56	13598	101.808	ug/l	99
14) Allyl chloride	4.478	41	55821	22.117	ug/l	93
15) Acrylonitrile	5.161	53	52725	98.819	ug/l	100
16) Acetone	3.948	43	46501	91.832	ug/l	99
17) Carbon Disulfide	4.198	76	118486	23.768	ug/l	100
18) Methyl Acetate	4.478	43	28630	19.655	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	108736	19.732	ug/l	93
20) Methylene Chloride	4.716	84	54343	22.081	ug/l	91
21) trans-1,2-Dichloroethene	5.222	96	45860	22.136	ug/l	90
22) Diisopropyl ether	6.118	45	116984	22.531	ug/l #	94
23) Vinyl Acetate	6.057	43	330839	105.299	ug/l	98
24) 1,1-Dichloroethane	6.021	63	77806	22.529	ug/l	98
25) 2-Butanone	6.984	43	63620	95.228	ug/l	97
26) 2,2-Dichloropropane	6.978	77	75962	20.389	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	51237	21.653	ug/l	96
28) Bromochloromethane	7.332	49	18354	21.021	ug/l	87
29) Tetrahydrofuran	7.344	42	38050	97.572	ug/l	89
30) Chloroform	7.508	83	84066	21.354	ug/l	98
31) Cyclohexane	7.783	56	67445	22.907	ug/l	89
32) 1,1,1-Trichloroethane	7.697	97	81542	21.325	ug/l	99
36) 1,1-Dichloropropene	7.917	75	62181	21.608	ug/l	98
37) Ethyl Acetate	7.076	43	29035	18.844	ug/l	95
38) Carbon Tetrachloride	7.905	117	74914	20.510	ug/l	98
39) Methylcyclohexane	9.185	83	75186	21.871	ug/l	95
40) Benzene	8.161	78	182078	21.713	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	16582m	19.787	ug/l	
42) 1,2-Dichloroethane	8.234	62	53979	20.332	ug/l	99
43) Isopropyl Acetate	8.270	43	50117	19.409	ug/l	94
44) Trichloroethene	8.941	130	52507	21.444	ug/l	96
45) 1,2-Dichloropropane	9.215	63	40863	21.871	ug/l	94
46) Dibromomethane	9.307	93	24329	20.684	ug/l	96
47) Bromodichloromethane	9.496	83	62878	21.024	ug/l	99
48) Methyl methacrylate	9.289	41	23516	20.331	ug/l	95
49) 1,4-Dioxane	9.301	88	6104	374.761	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	132475	96.415	ug/l	96
52) Toluene	10.246	92	119382	21.508	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	63006	20.251	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	71431	21.222	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	35750	21.044	ug/l	96
56) Ethyl methacrylate	10.508	69	44400	19.952	ug/l	95
57) 1,3-Dichloropropane	10.788	76	59750	21.312	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	80521	98.921	ug/l	93
59) 2-Hexanone	10.831	43	92329	95.697	ug/l	96
60) Dibromochloromethane	10.983	129	45413	20.275	ug/l	99
61) 1,2-Dibromoethane	11.087	107	33423	20.556	ug/l	98
64) Tetrachloroethene	10.721	164	58475	22.703	ug/l	99
65) Chlorobenzene	11.520	112	127528	21.237	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	48463	20.904	ug/l	99
67) Ethyl Benzene	11.593	91	228338	21.274	ug/l	98
68) m/p-Xylenes	11.703	106	181231	43.051	ug/l	99
69) o-Xylene	12.032	106	84777	21.151	ug/l	99
70) Styrene	12.044	104	143675	21.102	ug/l	99
71) Bromoform	12.209	173	29181	19.810	ug/l #	100
73) Isopropylbenzene	12.331	105	231340	21.097	ug/l	99
74) N-amyl acetate	12.142	43	43438	19.188	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	35899	19.462	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	31286m	19.772	ug/l	
77) Bromobenzene	12.611	156	54399	20.800	ug/l	94
78) n-propylbenzene	12.672	91	273537	21.368	ug/l	99
79) 2-Chlorotoluene	12.757	91	153557	20.971	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	198194	21.073	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	14035	19.699	ug/l	95
82) 4-Chlorotoluene	12.855	91	157736	20.595	ug/l	98
83) tert-Butylbenzene	13.074	119	166929	20.257	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	194959	20.941	ug/l	100
85) sec-Butylbenzene	13.251	105	248426	20.974	ug/l	98
86) p-Isopropyltoluene	13.367	119	213292	20.785	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	108760	20.746	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	107087	20.448	ug/l	100
89) n-Butylbenzene	13.696	91	187917	21.132	ug/l	99
90) Hexachloroethane	13.958	117	39391	20.692	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	96346	20.629	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	6478	17.670	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	56534	19.415	ug/l	100
94) Hexachlorobutadiene	15.111	225	37345	21.256	ug/l	99
95) Naphthalene	15.239	128	104588	18.149	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	48641	19.213	ug/l	99

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

