

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012323\
 Data File : VY012310.D
 Acq On : 23 Jan 2023 13:50
 Operator : KP/MD
 Sample : VY0123SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0123SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/24/2023
 Supervised By :Mahesh Dadoda 01/25/2023

Quant Time: Jan 23 14:22:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	176475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	273876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	246348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	127751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	74575	51.066	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.140%			
35) Dibromofluoromethane	7.716	113	64642	44.575	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.160%			
50) Toluene-d8	10.179	98	239923	47.536	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.080%			
62) 4-Bromofluorobenzene	12.483	95	92630	45.311	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 90.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	33016	21.408	ug/l	95
3) Chloromethane	2.113	50	29067	20.416	ug/l	99
4) Vinyl Chloride	2.253	62	33611	20.226	ug/l	99
5) Bromomethane	2.643	94	27364	21.298	ug/l	90
6) Chloroethane	2.790	64	23169	21.378	ug/l	95
7) Trichlorofluoromethane	3.125	101	67466	20.802	ug/l	99
8) Diethyl Ether	3.527	74	20316	21.051	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.905	101	32679	20.703	ug/l	95
10) Methyl Iodide	4.094	142	42925	17.894	ug/l	95
11) Tert butyl alcohol	4.954	59	23612	130.119	ug/l	96
12) 1,1-Dichloroethene	3.869	96	34016	20.987	ug/l	94
13) Acrolein	3.729	56	9615	132.576	ug/l	99
14) Allyl chloride	4.485	41	42479	21.196	ug/l #	89
15) Acrylonitrile	5.161	53	48050	113.985	ug/l	99
16) Acetone	3.948	43	50382	102.527	ug/l	99
17) Carbon Disulfide	4.192	76	100637	20.074	ug/l	99
18) Methyl Acetate	4.472	43	24077	21.896	ug/l #	86
19) Methyl tert-butyl Ether	5.222	73	97171	21.507	ug/l	94
20) Methylene Chloride	4.716	84	45753	16.992	ug/l	90
21) trans-1,2-Dichloroethene	5.222	96	37180	20.556	ug/l	91
22) Diisopropyl ether	6.118	45	85681	21.445	ug/l #	91
23) Vinyl Acetate	6.058	43	266759	107.146	ug/l #	92
24) 1,1-Dichloroethane	6.021	63	58157	20.986	ug/l	95
25) 2-Butanone	6.984	43	60057	110.704	ug/l	92
26) 2,2-Dichloropropane	6.978	77	60900	20.243	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	40340	20.305	ug/l	94
28) Bromochloromethane	7.332	49	12272	20.277	ug/l #	73
29) Tetrahydrofuran	7.344	42	34192	114.741	ug/l #	82
30) Chloroform	7.508	83	66926	20.458	ug/l	99
31) Cyclohexane	7.783	56	52762	20.506	ug/l	88
32) 1,1,1-Trichloroethane	7.704	97	66958	20.675	ug/l	99
36) 1,1-Dichloropropene	7.917	75	49241	19.979	ug/l	97
37) Ethyl Acetate	7.070	43	23214	21.366	ug/l #	95
38) Carbon Tetrachloride	7.899	117	63667	20.002	ug/l	98
39) Methylcyclohexane	9.185	83	61192	20.317	ug/l	94
40) Benzene	8.161	78	143792	20.214	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	13934m	21.818	ug/l	
42) 1,2-Dichloroethane	8.240	62	47347	20.907	ug/l	98
43) Isopropyl Acetate	8.271	43	42653	21.101	ug/l #	94
44) Trichloroethene	8.941	130	42039	19.772	ug/l	98
45) 1,2-Dichloropropane	9.215	63	30283	20.402	ug/l	99
46) Dibromomethane	9.307	93	20374	20.504	ug/l	97
47) Bromodichloromethane	9.496	83	50676	20.260	ug/l	98
48) Methyl methacrylate	9.295	41	19219	20.635	ug/l	85
49) 1,4-Dioxane	9.295	88	6083	449.260	ug/l #	86
51) 4-Methyl-2-Pentanone	10.069	43	117624	109.126	ug/l	94
52) Toluene	10.246	92	95491	20.162	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	53372	20.399	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	56542	20.067	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	28610	20.265	ug/l	95
56) Ethyl methacrylate	10.508	69	38900	21.003	ug/l	95
57) 1,3-Dichloropropane	10.788	76	48368	20.978	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	65428	106.759	ug/l	89
59) 2-Hexanone	10.831	43	91001	110.890	ug/l	97
60) Dibromochloromethane	10.983	129	38167	20.383	ug/l	100
61) 1,2-Dibromoethane	11.087	107	27858	20.449	ug/l	99
64) Tetrachloroethene	10.721	164	47417	21.094	ug/l	96
65) Chlorobenzene	11.514	112	102281	20.292	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	38843	20.417	ug/l	98
67) Ethyl Benzene	11.593	91	183106	20.327	ug/l	99
68) m/p-Xylenes	11.703	106	145284	40.791	ug/l	98
69) o-Xylene	12.032	106	69697	20.487	ug/l	98
70) Styrene	12.044	104	117643	20.697	ug/l	98
71) Bromoform	12.209	173	25563	21.031	ug/l #	99
73) Isopropylbenzene	12.331	105	189404	20.561	ug/l	100
74) N-amyl acetate	12.142	43	37534	20.785	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	30902	21.297	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	27244m	23.192	ug/l	
77) Bromobenzene	12.611	156	44198	19.939	ug/l	95
78) n-propylbenzene	12.672	91	218734	20.291	ug/l	99
79) 2-Chlorotoluene	12.758	91	122931	20.170	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	163683	20.440	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	12314	21.599	ug/l	95
82) 4-Chlorotoluene	12.855	91	130078	20.318	ug/l	98
83) tert-Butylbenzene	13.075	119	141510	20.275	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	160076	20.269	ug/l	100
85) sec-Butylbenzene	13.251	105	200991	20.226	ug/l	98
86) p-Isopropyltoluene	13.367	119	175177	20.176	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	88862	20.156	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	86474	19.668	ug/l	99
89) n-Butylbenzene	13.696	91	151532	20.140	ug/l	98
90) Hexachloroethane	13.965	117	31653	20.195	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	78714	20.010	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6679	22.273	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	48944	19.418	ug/l	97
94) Hexachlorobutadiene	15.111	225	29651	19.538	ug/l	99
95) Naphthalene	15.239	128	96730	19.443	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	41503	19.134	ug/l	98

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

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