

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022323\
 Data File : VY012698.D
 Acq On : 23 Feb 2023 11:09
 Operator : KP/MD
 Sample : VY0223SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0223SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023

Quant Time: Feb 23 23:51:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 01:21:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	116400	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	180027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	159524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	80983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	66352	48.265	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.540%			
35) Dibromofluoromethane	7.716	113	61225	50.351	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.700%			
50) Toluene-d8	10.179	98	231314	50.777	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.560%			
62) 4-Bromofluorobenzene	12.483	95	75546	51.822	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	22958	19.184	ug/l	97
3) Chloromethane	2.113	50	29103	18.035	ug/l	97
4) Vinyl Chloride	2.253	62	26745	20.227	ug/l	99
5) Bromomethane	2.650	94	15631	21.585	ug/l	97
6) Chloroethane	2.790	64	15688	18.638	ug/l	92
7) Trichlorofluoromethane	3.131	101	42432	19.908	ug/l	99
8) Diethyl Ether	3.533	74	15093	19.779	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.905	101	26268	20.623	ug/l	99
10) Methyl Iodide	4.094	142	31210	18.713	ug/l	98
11) Tert butyl alcohol	4.960	59	14167	94.208	ug/l	97
12) 1,1-Dichloroethene	3.869	96	24200	19.680	ug/l	92
13) Acrolein	3.735	56	19732	103.851	ug/l	97
14) Allyl chloride	4.485	41	47174	19.767	ug/l	100
15) Acrylonitrile	5.161	53	41012	101.019	ug/l	99
16) Acetone	3.948	43	44511	99.225	ug/l	93
17) Carbon Disulfide	4.198	76	82126	19.847	ug/l	100
18) Methyl Acetate	4.478	43	29216	20.218	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	64432	19.480	ug/l	96
20) Methylene Chloride	4.716	84	34567	21.242	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	26780	20.022	ug/l	94
22) Diisopropyl ether	6.118	45	91265	20.494	ug/l	99
23) Vinyl Acetate	6.064	43	274392	99.484	ug/l	99
24) 1,1-Dichloroethane	6.021	63	49468	20.032	ug/l	97
25) 2-Butanone	6.984	43	59103	99.270	ug/l	100
26) 2,2-Dichloropropane	6.984	77	42658	19.803	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	29538	20.183	ug/l	97
28) Bromochloromethane	7.332	49	20316	20.545	ug/l	97
29) Tetrahydrofuran	7.350	42	37125	102.136	ug/l	99
30) Chloroform	7.508	83	48598	20.311	ug/l	93
31) Cyclohexane	7.783	56	45961	19.244	ug/l	96
32) 1,1,1-Trichloroethane	7.703	97	42936	19.822	ug/l	99
36) 1,1-Dichloropropene	7.923	75	37554	19.484	ug/l	99
37) Ethyl Acetate	7.069	43	24774	19.049	ug/l	99
38) Carbon Tetrachloride	7.905	117	39669	19.905	ug/l	94
39) Methylcyclohexane	9.185	83	43969	19.776	ug/l	98
40) Benzene	8.161	78	109497	20.352	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	11874m	18.746	ug/l	
42) 1,2-Dichloroethane	8.234	62	33090	19.835	ug/l	99
43) Isopropyl Acetate	8.270	43	44245	19.687	ug/l	99
44) Trichloroethene	8.941	130	27942	20.088	ug/l	99
45) 1,2-Dichloropropane	9.215	63	28150	20.341	ug/l	100
46) Dibromomethane	9.307	93	15631	20.461	ug/l	99
47) Bromodichloromethane	9.496	83	36517	19.856	ug/l	94
48) Methyl methacrylate	9.295	41	20366	19.420	ug/l	99
49) 1,4-Dioxane	9.307	88	3884	365.816	ug/l #	73
51) 4-Methyl-2-Pentanone	10.069	43	124279	102.514	ug/l	100
52) Toluene	10.246	92	66922	20.994	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	38769	20.173	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	43759	20.123	ug/l	100
55) 1,1,2-Trichloroethane	10.648	97	21866	21.073	ug/l	93
56) Ethyl methacrylate	10.514	69	28745	20.285	ug/l	97
57) 1,3-Dichloropropane	10.794	76	36872	20.218	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	73967	95.727	ug/l	100
59) 2-Hexanone	10.831	43	89800	104.489	ug/l	99
60) Dibromochloromethane	10.989	129	25793	20.518	ug/l	100
61) 1,2-Dibromoethane	11.087	107	20525	20.647	ug/l	100
64) Tetrachloroethene	10.721	164	23295	20.079	ug/l	95
65) Chlorobenzene	11.520	112	69270	20.249	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	26251	20.707	ug/l	99
67) Ethyl Benzene	11.593	91	124099	20.295	ug/l	98
68) m/p-Xylenes	11.703	106	97221	41.679	ug/l	95
69) o-Xylene	12.032	106	44220	20.467	ug/l	100
70) Styrene	12.044	104	74229	20.499	ug/l	99
71) Bromoform	12.209	173	16644	20.574	ug/l #	98
73) Isopropylbenzene	12.331	105	117329	19.605	ug/l	99
74) N-amyl acetate	12.148	43	38163	19.399	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	27446	20.397	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	18490m	18.314	ug/l	
77) Bromobenzene	12.611	156	28345	19.767	ug/l	99
78) n-propylbenzene	12.672	91	148222	19.801	ug/l	99
79) 2-Chlorotoluene	12.757	91	80821	19.435	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	97732	19.550	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	9415	19.756	ug/l	96
82) 4-Chlorotoluene	12.855	91	83588	19.380	ug/l	98
83) tert-Butylbenzene	13.074	119	80693	18.903	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	95090	19.458	ug/l	97
85) sec-Butylbenzene	13.257	105	129339	19.914	ug/l	99
86) p-Isopropyltoluene	13.373	119	104517	19.540	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	54767	19.500	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	55883	19.621	ug/l	99
89) n-Butylbenzene	13.696	91	99650	19.453	ug/l	99
90) Hexachloroethane	13.965	117	21522	19.827	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	49954	19.915	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4275	19.328	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	29385	18.523	ug/l	98
94) Hexachlorobutadiene	15.117	225	18286	19.099	ug/l	98
95) Naphthalene	15.239	128	58257	18.174	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	26416	18.812	ug/l	98

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

