

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030323\
 Data File : VY012787.D
 Acq On : 03 Mar 2023 11:24
 Operator : KP/MD
 Sample : VY0303SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0303SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/06/2023
 Supervised By :Mahesh Dadoda 03/06/2023

Quant Time: Mar 03 14:36:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	50684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	78365	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	69156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	34396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	24484	48.654	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.300%		
35) Dibromofluoromethane	7.722	113	24156	51.077	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.160%		
50) Toluene-d8	10.179	98	84332	48.777	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.560%		
62) 4-Bromofluorobenzene	12.483	95	27971	47.932	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	11578	23.176	ug/l	100
3) Chloromethane	2.113	50	12678	21.228	ug/l	98
4) Vinyl Chloride	2.253	62	12191	22.260	ug/l	99
5) Bromomethane	2.649	94	7913	23.779	ug/l	92
6) Chloroethane	2.796	64	7372	22.477	ug/l	97
7) Trichlorofluoromethane	3.131	101	20130	22.131	ug/l	99
8) Diethyl Ether	3.533	74	6181	19.391	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	12555	22.942	ug/l	96
10) Methyl Iodide	4.094	142	13235	18.561	ug/l	99
11) Tert butyl alcohol	4.942	59	6557	101.313	ug/l #	84
12) 1,1-Dichloroethene	3.869	96	11319	21.687	ug/l	97
13) Acrolein	3.729	56	9055	102.705	ug/l	100
14) Allyl chloride	4.484	41	19253	19.970	ug/l	99
15) Acrylonitrile	5.161	53	16570	98.660	ug/l	98
16) Acetone	3.942	43	16893	85.525	ug/l	95
17) Carbon Disulfide	4.198	76	37836	21.297	ug/l	99
18) Methyl Acetate	4.478	43	11720	19.925	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	25936	19.239	ug/l	98
20) Methylene Chloride	4.716	84	13963	19.935	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	11866	20.921	ug/l	95
22) Diisopropyl ether	6.118	45	34743	19.841	ug/l	94
23) Vinyl Acetate	6.063	43	104411	95.963	ug/l	99
24) 1,1-Dichloroethane	6.015	63	20940	20.985	ug/l	99
25) 2-Butanone	6.984	43	22902	93.613	ug/l	97
26) 2,2-Dichloropropane	6.978	77	18640	21.033	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	12527	20.600	ug/l	99
28) Bromochloromethane	7.338	49	7810	21.418	ug/l	98
29) Tetrahydrofuran	7.350	42	14285	96.814	ug/l	98
30) Chloroform	7.508	83	20645	20.946	ug/l	100
31) Cyclohexane	7.789	56	19585	20.321	ug/l #	82
32) 1,1,1-Trichloroethane	7.703	97	18704	20.984	ug/l	98
36) 1,1-Dichloropropene	7.917	75	16488	20.804	ug/l	98
37) Ethyl Acetate	7.075	43	9815	19.649	ug/l	99
38) Carbon Tetrachloride	7.899	117	17781	21.726	ug/l	93
39) Methylcyclohexane	9.185	83	19202	20.380	ug/l	96
40) Benzene	8.161	78	46979	20.955	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	4880	18.133	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	14277	21.182	ug/l	98
43) Isopropyl Acetate	8.270	43	17235	19.339	ug/l	98
44) Trichloroethene	8.941	130	12318	20.840	ug/l	100
45) 1,2-Dichloropropane	9.215	63	11929	21.055	ug/l	89
46) Dibromomethane	9.301	93	6851	21.225	ug/l	98
47) Bromodichloromethane	9.502	83	15531	20.418	ug/l	97
48) Methyl methacrylate	9.295	41	7440	18.118	ug/l	98
49) 1,4-Dioxane	9.289	88	1652	395.905	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	46655	96.510	ug/l	99
52) Toluene	10.246	92	28436	21.032	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	15809	19.815	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	18824	20.845	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	9700	21.579	ug/l	95
56) Ethyl methacrylate	10.514	69	11083	18.491	ug/l	99
57) 1,3-Dichloropropane	10.794	76	15822	20.665	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	30478	96.863	ug/l	99
59) 2-Hexanone	10.831	43	32259	91.816	ug/l	98
60) Dibromochloromethane	10.983	129	11425	20.879	ug/l	96
61) 1,2-Dibromoethane	11.087	107	9202	21.251	ug/l	98
64) Tetrachloroethene	10.721	164	10556	20.965	ug/l	97
65) Chlorobenzene	11.514	112	29549	20.359	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	11433	21.288	ug/l	98
67) Ethyl Benzene	11.593	91	50941	19.963	ug/l	99
68) m/p-Xylenes	11.703	106	39909	40.654	ug/l	100
69) o-Xylene	12.032	106	18487	20.178	ug/l	97
70) Styrene	12.044	104	30219	19.765	ug/l	99
71) Bromoform	12.209	173	7508	21.441	ug/l #	95
73) Isopropylbenzene	12.331	105	48456	19.878	ug/l	100
74) N-amyl acetate	12.142	43	13928	18.159	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	11817	21.565	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	7135m	17.371	ug/l	
77) Bromobenzene	12.611	156	12253	20.691	ug/l	99
78) n-propylbenzene	12.672	91	61823	20.571	ug/l	98
79) 2-Chlorotoluene	12.757	91	34166	20.455	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	39365	19.568	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	3947	19.911	ug/l	97
82) 4-Chlorotoluene	12.855	91	35646	20.616	ug/l	100
83) tert-Butylbenzene	13.074	119	34890	20.094	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	39079	19.866	ug/l	99
85) sec-Butylbenzene	13.251	105	55156	20.822	ug/l	100
86) p-Isopropyltoluene	13.373	119	42914	19.822	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	24052	21.059	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	23510	20.169	ug/l	96
89) n-Butylbenzene	13.696	91	40159	19.377	ug/l	100
90) Hexachloroethane	13.958	117	9303	20.632	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	21153	20.488	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1789	20.201	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	10688	16.813	ug/l	97
94) Hexachlorobutadiene	15.111	225	7415	19.125	ug/l	98
95) Naphthalene	15.239	128	18707	14.685	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	9191	16.257	ug/l	96

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

