

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050123\
 Data File : VY013533.D
 Acq On : 01 May 2023 12:38
 Operator : KP/MD
 Sample : VY0501SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0501SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/02/2023
 Supervised By :Mahesh Dadoda 05/03/2023

Quant Time: May 01 22:46:09 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	307854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	464210	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	419450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	215527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	164883	48.858	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.720%		
35) Dibromofluoromethane	7.716	113	146069	50.029	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.060%		
50) Toluene-d8	10.179	98	512440	49.337	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.680%		
62) 4-Bromofluorobenzene	12.477	95	186094	53.146	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	106.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	66872	22.849	ug/l	99
3) Chloromethane	2.107	50	75939	19.357	ug/l	98
4) Vinyl Chloride	2.247	62	74711	19.126	ug/l	97
5) Bromomethane	2.650	94	59099	18.986	ug/l	99
6) Chloroethane	2.790	64	51774	19.186	ug/l	100
7) Trichlorofluoromethane	3.119	101	127770	21.592	ug/l	98
8) Diethyl Ether	3.528	74	41107	20.400	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.899	101	69590	20.966	ug/l	99
10) Methyl Iodide	4.088	142	76833	18.430	ug/l	97
11) Tert butyl alcohol	4.972	59	39867m	105.259	ug/l	
12) 1,1-Dichloroethene	3.863	96	65500	20.472	ug/l	94
13) Acrolein	3.735	56	31964	103.202	ug/l	91
14) Allyl chloride	4.473	41	115247	19.413	ug/l	97
15) Acrylonitrile	5.168	53	119322	105.733	ug/l	98
16) Acetone	3.954	43	136380	102.618	ug/l	97
17) Carbon Disulfide	4.192	76	206541	19.873	ug/l	99
18) Methyl Acetate	4.479	43	89271	20.338	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	186184	20.157	ug/l	99
20) Methylene Chloride	4.716	84	98641	18.614	ug/l	90
21) trans-1,2-Dichloroethene	5.216	96	73230	20.934	ug/l	96
22) Diisopropyl ether	6.119	45	239395	20.631	ug/l	97
23) Vinyl Acetate	6.058	43	678744m	103.311	ug/l	
24) 1,1-Dichloroethane	6.009	63	133661	20.668	ug/l	98
25) 2-Butanone	6.990	43	177732	105.449	ug/l	97
26) 2,2-Dichloropropane	6.972	77	119886	21.513	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	81703	21.139	ug/l	96
28) Bromochloromethane	7.332	49	48493	21.131	ug/l	84
29) Tetrahydrofuran	7.350	42	107258	102.231	ug/l	94
30) Chloroform	7.502	83	140327	21.824	ug/l	98
31) Cyclohexane	7.783	56	119928	19.848	ug/l	91
32) 1,1,1-Trichloroethane	7.698	97	123040	21.444	ug/l	98
36) 1,1-Dichloropropene	7.917	75	104299	21.525	ug/l	98
37) Ethyl Acetate	7.070	43	77475	21.247	ug/l	97
38) Carbon Tetrachloride	7.893	117	115753	22.792	ug/l	93
39) Methylcyclohexane	9.179	83	118406	20.728	ug/l	96
40) Benzene	8.161	78	297483	21.794	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	31484m	18.528	ug/l	
42) 1,2-Dichloroethane	8.234	62	100689	22.564	ug/l	98
43) Isopropyl Acetate	8.271	43	129854	21.098	ug/l	97
44) Trichloroethene	8.935	130	79143	21.798	ug/l	99
45) 1,2-Dichloropropane	9.216	63	77530	21.724	ug/l	96
46) Dibromomethane	9.301	93	45910	21.500	ug/l	99
47) Bromodichloromethane	9.496	83	107243	22.444	ug/l	97
48) Methyl methacrylate	9.289	41	58818	20.808	ug/l	95
49) 1,4-Dioxane	9.313	88	12772	418.786	ug/l #	78
51) 4-Methyl-2-Pentanone	10.069	43	373732	108.967	ug/l	97
52) Toluene	10.240	92	181918	22.148	ug/l	97
53) t-1,3-Dichloropropene	10.459	75	112316	22.210	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	121763	21.399	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	62983	22.272	ug/l	95
56) Ethyl methacrylate	10.508	69	86615	22.077	ug/l	93
57) 1,3-Dichloropropane	10.788	76	106724	22.284	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	170440	115.855	ug/l	94
59) 2-Hexanone	10.831	43	282867	113.457	ug/l	97
60) Dibromochloromethane	10.984	129	77924	22.694	ug/l	100
61) 1,2-Dibromoethane	11.087	107	61788	22.224	ug/l	100
64) Tetrachloroethene	10.715	164	71710	22.483	ug/l	97
65) Chlorobenzene	11.514	112	195511	21.397	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	75763	22.171	ug/l	99
67) Ethyl Benzene	11.593	91	350966	21.874	ug/l	99
68) m/p-Xylenes	11.703	106	271498	44.511	ug/l	98
69) o-Xylene	12.026	106	125806	21.809	ug/l	97
70) Styrene	12.044	104	214556	22.245	ug/l	100
71) Bromoform	12.209	173	53502	22.352	ug/l #	99
73) Isopropylbenzene	12.331	105	334918	20.545	ug/l	99
74) N-amyl acetate	12.142	43	117355	20.230	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	81506	20.455	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	60850m	20.935	ug/l	
77) Bromobenzene	12.605	156	85246	21.581	ug/l	95
78) n-propylbenzene	12.672	91	419256	20.880	ug/l	98
79) 2-Chlorotoluene	12.758	91	236725	21.112	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	283421	21.301	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	29641	20.860	ug/l	97
82) 4-Chlorotoluene	12.855	91	245834	21.035	ug/l	98
83) tert-Butylbenzene	13.075	119	243818	21.151	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	279682	21.620	ug/l	100
85) sec-Butylbenzene	13.251	105	361078	20.871	ug/l	99
86) p-Isopropyltoluene	13.367	119	299683	21.541	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	162222	21.557	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	164780	21.677	ug/l	99
89) n-Butylbenzene	13.696	91	289354	21.309	ug/l	98
90) Hexachloroethane	13.959	117	59911	20.461	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	147740	21.741	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14345	20.384	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	91482	22.579	ug/l	100
94) Hexachlorobutadiene	15.111	225	56828	24.101	ug/l	100
95) Naphthalene	15.239	128	187892	21.374	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	84764	23.473	ug/l	98

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

