

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032223\
 Data File : VY013038.D
 Acq On : 22 Mar 2023 10:24
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/23/2023
 Supervised By :Mahesh Dadoda 03/23/2023

Quant Time: Mar 23 05:16:54 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	106600	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	159846	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	142721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	76208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	53239	50.301	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.600%			
35) Dibromofluoromethane	7.716	113	54730	56.735	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.460%			
50) Toluene-d8	10.179	98	178518	50.620	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.240%			
62) 4-Bromofluorobenzene	12.483	95	67449	56.664	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 113.320%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	55385	52.712	ug/l	98
3) Chloromethane	2.113	50	54677	43.529	ug/l	100
4) Vinyl Chloride	2.253	62	53545	46.486	ug/l	100
5) Bromomethane	2.650	94	36207	51.732	ug/l	96
6) Chloroethane	2.796	64	35103	50.886	ug/l	99
7) Trichlorofluoromethane	3.125	101	89234	46.644	ug/l	100
8) Diethyl Ether	3.534	74	33253	49.601	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.900	101	59255	51.482	ug/l	99
10) Methyl Iodide	4.095	142	79964	53.320	ug/l	98
11) Tert butyl alcohol	4.948	59	30645	251.924	ug/l	100
12) 1,1-Dichloroethene	3.875	96	58303	53.112	ug/l	98
13) Acrolein	3.729	56	35776	192.934	ug/l	98
14) Allyl chloride	4.479	41	106303	52.424	ug/l	99
15) Acrylonitrile	5.162	53	91005	257.630	ug/l	100
16) Acetone	3.948	43	110819	266.758	ug/l	98
17) Carbon Disulfide	4.198	76	191524	51.257	ug/l	100
18) Methyl Acetate	4.473	43	65201	52.703	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	150537	53.092	ug/l	99
20) Methylene Chloride	4.716	84	69677	55.561	ug/l	98
21) trans-1,2-Dichloroethene	5.216	96	64370	53.960	ug/l	95
22) Diisopropyl ether	6.119	45	202770	55.056	ug/l	99
23) Vinyl Acetate	6.058	43	622261	271.922	ug/l	99
24) 1,1-Dichloroethane	6.015	63	112563	53.635	ug/l	98
25) 2-Butanone	6.984	43	134916	262.205	ug/l	98
26) 2,2-Dichloropropane	6.984	77	98874	53.045	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	69455	54.306	ug/l	99
28) Bromochloromethane	7.332	49	38160	49.756	ug/l	99
29) Tetrahydrofuran	7.344	42	83519	269.127	ug/l	97
30) Chloroform	7.503	83	115082	55.515	ug/l	100
31) Cyclohexane	7.783	56	100661	49.659	ug/l	95
32) 1,1,1-Trichloroethane	7.704	97	101256	54.013	ug/l	98
36) 1,1-Dichloropropene	7.917	75	88707	54.873	ug/l	100
37) Ethyl Acetate	7.076	43	55231	54.207	ug/l	99
38) Carbon Tetrachloride	7.899	117	93853	56.221	ug/l	100
39) Methylcyclohexane	9.185	83	103683	53.948	ug/l	97
40) Benzene	8.161	78	256458	56.083	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	24214m	44.109	ug/l	
42) 1,2-Dichloroethane	8.234	62	76121	55.368	ug/l	99
43) Isopropyl Acetate	8.271	43	97471	53.619	ug/l	99
44) Trichloroethene	8.941	130	67229	55.762	ug/l	99
45) 1,2-Dichloropropane	9.216	63	64486	55.799	ug/l	99
46) Dibromomethane	9.307	93	36402	55.289	ug/l	98
47) Bromodichloromethane	9.496	83	86554	55.786	ug/l	99
48) Methyl methacrylate	9.295	41	46500	55.515	ug/l	99
49) 1,4-Dioxane	9.301	88	9768	1147.643	ug/l	99
51) 4-Methyl-2-Pentanone	10.069	43	275817	279.715	ug/l	100
52) Toluene	10.246	92	159232	57.739	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	90655	55.705	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	102963	55.897	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	51233	55.876	ug/l	98
56) Ethyl methacrylate	10.508	69	69356	56.728	ug/l	99
57) 1,3-Dichloropropane	10.789	76	87053	55.742	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	165641	258.083	ug/l	98
59) 2-Hexanone	10.831	43	207287	289.242	ug/l	100
60) Dibromochloromethane	10.984	129	62263	55.785	ug/l	99
61) 1,2-Dibromoethane	11.087	107	48916	55.382	ug/l	99
64) Tetrachloroethene	10.722	164	56951	54.807	ug/l	98
65) Chlorobenzene	11.514	112	166130	55.462	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	61883	55.832	ug/l	99
67) Ethyl Benzene	11.593	91	300504	57.062	ug/l	99
68) m/p-Xylenes	11.703	106	234447	115.723	ug/l	100
69) o-Xylene	12.032	106	109022	57.660	ug/l	98
70) Styrene	12.044	104	184144	58.360	ug/l	99
71) Bromoform	12.209	173	40288	55.749	ug/l #	98
73) Isopropylbenzene	12.331	105	287184	53.173	ug/l	100
74) N-amyl acetate	12.142	43	87176	51.300	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	62703	51.646	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	38755m	42.586	ug/l	
77) Bromobenzene	12.605	156	68570	52.261	ug/l	99
78) n-propylbenzene	12.672	91	360012	54.066	ug/l	99
79) 2-Chlorotoluene	12.758	91	198722	53.697	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	241322	54.142	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	22192	50.528	ug/l	98
82) 4-Chlorotoluene	12.855	91	206499	53.903	ug/l	100
83) tert-Butylbenzene	13.075	119	207942	54.052	ug/l	99
84) 1,2,4-Trimethylbenzene	13.124	105	237700	54.538	ug/l	99
85) sec-Butylbenzene	13.258	105	317163	54.041	ug/l	100
86) p-Isopropyltoluene	13.367	119	261150	54.444	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	136331	53.874	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	134881	52.225	ug/l	98
89) n-Butylbenzene	13.697	91	246006	53.574	ug/l	99
90) Hexachloroethane	13.959	117	52608	52.659	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	122904	53.728	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10220	52.086	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	73861	52.442	ug/l	98
94) Hexachlorobutadiene	15.111	225	44070	51.302	ug/l	98
95) Naphthalene	15.239	128	150332	53.264	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	65570	52.346	ug/l	100

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

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