

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052523\
 Data File : VY013861.D
 Acq On : 25 May 2023 09:53
 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 05/26/2023
 Supervised By :Mahesh Dadoda 05/26/2023

Quant Time: May 25 10:15:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 23 16:39:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	242898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	372821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	336828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	168590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	138876	49.420	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.840%		
35) Dibromofluoromethane	7.722	113	121154	50.319	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.640%		
50) Toluene-d8	10.185	98	445954	48.733	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.460%		
62) 4-Bromofluorobenzene	12.483	95	153627	50.506	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	103416	46.481	ug/l	97
3) Chloromethane	2.119	50	123109	45.418	ug/l	100
4) Vinyl Chloride	2.260	62	125100	45.131	ug/l	100
5) Bromomethane	2.662	94	90662	41.158	ug/l	99
6) Chloroethane	2.802	64	80961	44.822	ug/l	97
7) Trichlorofluoromethane	3.137	101	206348	44.231	ug/l	97
8) Diethyl Ether	3.540	74	63930	44.677	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.906	101	107668	42.573	ug/l	98
10) Methyl Iodide	4.101	142	134394	44.762	ug/l	95
11) Tert butyl alcohol	4.966	59	46397	219.153	ug/l	97
12) 1,1-Dichloroethene	3.887	96	105092	44.232	ug/l	91
13) Acrolein	3.735	56	83942	259.231	ug/l	99
14) Allyl chloride	4.491	41	184095	42.441	ug/l	95
15) Acrylonitrile	5.174	53	159777	217.776	ug/l	99
16) Acetone	3.954	43	234864	281.600	ug/l	99
17) Carbon Disulfide	4.204	76	327243	46.142	ug/l	99
18) Methyl Acetate	4.491	43	119231	41.207	ug/l	98
19) Methyl tert-butyl Ether	5.235	73	288344	44.470	ug/l	98
20) Methylene Chloride	4.729	84	124633	41.725	ug/l	95
21) trans-1,2-Dichloroethene	5.228	96	116449	45.087	ug/l	99
22) Diisopropyl ether	6.131	45	383842	45.832	ug/l	94
23) Vinyl Acetate	6.070	43	1105628	264.905	ug/l	97
24) 1,1-Dichloroethane	6.027	63	215597	44.096	ug/l	99
25) 2-Butanone	6.990	43	253555	249.141	ug/l	98
26) 2,2-Dichloropropane	6.990	77	198326	45.032	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	133972	46.175	ug/l	99
28) Bromochloromethane	7.344	49	64136	44.691	ug/l	91
29) Tetrahydrofuran	7.356	42	138049	227.195	ug/l	97
30) Chloroform	7.509	83	230718	46.544	ug/l	98
31) Cyclohexane	7.795	56	174818	40.491	ug/l	94
32) 1,1,1-Trichloroethane	7.710	97	203405	44.980	ug/l	99
36) 1,1-Dichloropropene	7.923	75	165411	45.105	ug/l	99
37) Ethyl Acetate	7.082	43	98062	43.837	ug/l	98
38) Carbon Tetrachloride	7.911	117	187183	44.883	ug/l	98
39) Methylcyclohexane	9.191	83	183032	42.618	ug/l	96
40) Benzene	8.167	78	483210	45.876	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	47766m	43.524	ug/l	
42) 1,2-Dichloroethane	8.240	62	161072	46.705	ug/l	99
43) Isopropyl Acetate	8.277	43	175751	43.114	ug/l	96
44) Trichloroethene	8.947	130	128903	45.424	ug/l	98
45) 1,2-Dichloropropane	9.222	63	124204	46.031	ug/l	96
46) Dibromomethane	9.313	93	72129	46.675	ug/l	96
47) Bromodichloromethane	9.502	83	174550	46.349	ug/l	97
48) Methyl methacrylate	9.295	41	81880	42.776	ug/l	96
49) 1,4-Dioxane	9.313	88	16389	934.630	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	486023	223.729	ug/l	99
52) Toluene	10.246	92	303174	47.207	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	177429	46.284	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	199471	46.447	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	97097	46.704	ug/l	99
56) Ethyl methacrylate	10.514	69	126809	45.693	ug/l	99
57) 1,3-Dichloropropane	10.795	76	162564	45.913	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	190427	215.048	ug/l	96
59) 2-Hexanone	10.837	43	378734	245.097	ug/l	100
60) Dibromochloromethane	10.990	129	124320	47.272	ug/l	99
61) 1,2-Dibromoethane	11.093	107	91622	46.327	ug/l	99
64) Tetrachloroethene	10.721	164	111518	44.747	ug/l	99
65) Chlorobenzene	11.520	112	321579	45.553	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	128173	47.042	ug/l	97
67) Ethyl Benzene	11.599	91	588210	46.301	ug/l	100
68) m/p-Xylenes	11.709	106	453701	94.369	ug/l	99
69) o-Xylene	12.032	106	209789	46.324	ug/l	99
70) Styrene	12.050	104	361713	47.152	ug/l	99
71) Bromoform	12.209	173	82213	46.166	ug/l #	98
73) Isopropylbenzene	12.337	105	556938	44.384	ug/l	100
74) N-amyl acetate	12.148	43	161138	42.712	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	111798	43.040	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	83323m	40.113	ug/l	
77) Bromobenzene	12.611	156	139713	45.378	ug/l	91
78) n-propylbenzene	12.672	91	692328	44.661	ug/l	99
79) 2-Chlorotoluene	12.764	91	389907	45.030	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	476334	45.988	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	38585	42.133	ug/l	92
82) 4-Chlorotoluene	12.861	91	405475	45.306	ug/l	97
83) tert-Butylbenzene	13.081	119	407773	45.202	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	473364	46.558	ug/l	100
85) sec-Butylbenzene	13.258	105	595619	44.447	ug/l	100
86) p-Isopropyltoluene	13.373	119	498066	44.968	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	272654	45.850	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	264387	44.657	ug/l	99
89) n-Butylbenzene	13.703	91	472111	44.449	ug/l	99
90) Hexachloroethane	13.965	117	99433	43.724	ug/l	92
91) 1,2-Dichlorobenzene	13.745	146	241040	45.609	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	18571	40.807	ug/l	90
93) 1,2,4-Trichlorobenzene	15.013	180	147170	44.920	ug/l	99
94) Hexachlorobutadiene	15.117	225	90467	43.793	ug/l	100
95) Naphthalene	15.239	128	274958	39.286	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	130117	44.659	ug/l	100

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

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