

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051523\
 Data File : VY013725.D
 Acq On : 15 May 2023 10:03
 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 05/16/2023
 Supervised By :Mahesh Dadoda 05/17/2023

Quant Time: May 15 15:37:26 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	240847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	360787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	318547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	162241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	140077	53.055	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.120%			
35) Dibromofluoromethane	7.716	113	130243	57.396	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.800%			
50) Toluene-d8	10.179	98	424066	52.533	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.060%			
62) 4-Bromofluorobenzene	12.483	95	159647	58.663	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 117.320%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	116649	50.945	ug/l	100
3) Chloromethane	2.113	50	143065	46.614	ug/l	99
4) Vinyl Chloride	2.253	62	145302	47.547	ug/l	98
5) Bromomethane	2.650	94	107824	44.276	ug/l	97
6) Chloroethane	2.796	64	92207	43.676	ug/l	96
7) Trichlorofluoromethane	3.125	101	248044	53.580	ug/l	100
8) Diethyl Ether	3.527	74	78478	49.780	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.899	101	139725	53.808	ug/l	97
10) Methyl Iodide	4.094	142	161794	49.607	ug/l	98
11) Tert butyl alcohol	4.966	59	63671	214.202	ug/l #	80
12) 1,1-Dichloroethene	3.875	96	127136	50.792	ug/l	88
13) Acrolein	3.735	56	33408	140.957	ug/l	94
14) Allyl chloride	4.479	41	237573	51.151	ug/l	97
15) Acrylonitrile	5.161	53	212534	240.725	ug/l	98
16) Acetone	3.948	43	294051	282.811	ug/l	94
17) Carbon Disulfide	4.198	76	360976	44.396	ug/l	99
18) Methyl Acetate	4.479	43	165430	48.173	ug/l	94
19) Methyl tert-butyl Ether	5.216	73	368059	50.933	ug/l	98
20) Methylene Chloride	4.716	84	160830	49.256	ug/l #	87
21) trans-1,2-Dichloroethene	5.222	96	139385	50.930	ug/l	96
22) Diisopropyl ether	6.112	45	486116	53.549	ug/l	94
23) Vinyl Acetate	6.057	43	1439858	280.133	ug/l	96
24) 1,1-Dichloroethane	6.015	63	270068	53.379	ug/l	98
25) 2-Butanone	6.984	43	341410	258.914	ug/l	94
26) 2,2-Dichloropropane	6.978	77	242340	55.586	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	159856	52.865	ug/l	94
28) Bromochloromethane	7.332	49	93228	51.926	ug/l	83
29) Tetrahydrofuran	7.350	42	184725	225.051	ug/l	92
30) Chloroform	7.508	83	274519	54.572	ug/l	97
31) Cyclohexane	7.783	56	224254	47.440	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	244043	54.367	ug/l	98
36) 1,1-Dichloropropene	7.917	75	200075	53.126	ug/l	98
37) Ethyl Acetate	7.076	43	127625	45.033	ug/l	97
38) Carbon Tetrachloride	7.899	117	225855	57.218	ug/l	97
39) Methylcyclohexane	9.185	83	233609	52.617	ug/l	98
40) Benzene	8.161	78	574696	54.173	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	66259	50.171	ug/l	98
42) 1,2-Dichloroethane	8.234	62	189184	54.547	ug/l	99
43) Isopropyl Acetate	8.271	43	232228	48.547	ug/l	98
44) Trichloroethene	8.941	130	151760	53.780	ug/l	95
45) 1,2-Dichloropropane	9.215	63	153408	55.307	ug/l	97
46) Dibromomethane	9.307	93	85007	51.220	ug/l	97
47) Bromodichloromethane	9.496	83	212151	57.128	ug/l #	99
48) Methyl methacrylate	9.295	41	108977	49.604	ug/l	94
49) 1,4-Dioxane	9.307	88	21980	927.309	ug/l #	87
51) 4-Methyl-2-Pentanone	10.069	43	659247	247.313	ug/l	96
52) Toluene	10.246	92	353415	55.361	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	214963	54.694	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	240877	54.466	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	117665	53.537	ug/l	97
56) Ethyl methacrylate	10.508	69	162672	53.350	ug/l	90
57) 1,3-Dichloropropane	10.788	76	202325	54.356	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	267428	233.891	ug/l	94
59) 2-Hexanone	10.831	43	504775	260.501	ug/l	96
60) Dibromochloromethane	10.983	129	146403	54.860	ug/l	99
61) 1,2-Dibromoethane	11.087	107	113891	52.707	ug/l	99
64) Tetrachloroethene	10.721	164	129781	53.579	ug/l	98
65) Chlorobenzene	11.514	112	377008	54.330	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	150105	57.839	ug/l	99
67) Ethyl Benzene	11.593	91	688286	56.486	ug/l	99
68) m/p-Xylenes	11.703	106	527152	113.801	ug/l	98
69) o-Xylene	12.032	106	242776	55.416	ug/l	93
70) Styrene	12.044	104	421859	57.591	ug/l	100
71) Bromoform	12.209	173	98094	53.962	ug/l	99
73) Isopropylbenzene	12.331	105	664035	54.113	ug/l	98
74) N-amyl acetate	12.142	43	209827	48.050	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	145380	48.469	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	109914m	50.235	ug/l	
77) Bromobenzene	12.611	156	159141	53.522	ug/l	95
78) n-propylbenzene	12.672	91	821541	54.353	ug/l	97
79) 2-Chlorotoluene	12.758	91	455532	53.969	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	548131	54.727	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	50995	47.675	ug/l	94
82) 4-Chlorotoluene	12.855	91	467174	53.103	ug/l	98
83) tert-Butylbenzene	13.075	119	479961	55.312	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	535010	54.942	ug/l	99
85) sec-Butylbenzene	13.251	105	716599	55.025	ug/l	99
86) p-Isopropyltoluene	13.367	119	582387	55.609	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	306187	54.051	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	299688	52.372	ug/l	99
89) n-Butylbenzene	13.696	91	564253	55.202	ug/l	98
90) Hexachloroethane	13.959	117	117032	53.096	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	273884	53.540	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	24384	46.030	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	171816	56.335	ug/l	99
94) Hexachlorobutadiene	15.111	225	107088	60.332	ug/l	99
95) Naphthalene	15.239	128	345835	52.262	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	155744	57.294	ug/l	99

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

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