

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012723\
 Data File : VY012375.D
 Acq On : 27 Jan 2023 10:27
 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 01/30/2023
 Supervised By :Mahesh Dadoda 01/30/2023

Quant Time: Jan 30 02:34:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	162296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	239576	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	220707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	115001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	64845	48.050	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.100%		
35) Dibromofluoromethane	7.716	113	59610	46.990	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.980%		
50) Toluene-d8	10.179	98	212815	48.269	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.540%		
62) 4-Bromofluorobenzene	12.483	95	80264	44.883	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.760%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	65274	46.022	ug/l	100
3) Chloromethane	2.119	50	61217	46.755	ug/l	98
4) Vinyl Chloride	2.253	62	76075	49.779	ug/l	98
5) Bromomethane	2.656	94	59859	50.661	ug/l	96
6) Chloroethane	2.796	64	51254	51.424	ug/l	98
7) Trichlorofluoromethane	3.131	101	154548	51.815	ug/l	99
8) Diethyl Ether	3.534	74	43922	49.487	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.906	101	75246	51.834	ug/l	93
10) Methyl Iodide	4.095	142	104494	47.366	ug/l	94
11) Tert butyl alcohol	4.954	59	39514	247.389	ug/l	99
12) 1,1-Dichloroethene	3.875	96	75172	50.431	ug/l	97
13) Acrolein	3.735	56	14932	250.465	ug/l	100
14) Allyl chloride	4.485	41	90534	49.121	ug/l #	82
15) Acrylonitrile	5.167	53	100041	258.052	ug/l	99
16) Acetone	3.948	43	120984	267.710	ug/l	98
17) Carbon Disulfide	4.198	76	213123	46.225	ug/l	100
18) Methyl Acetate	4.479	43	49893	49.338	ug/l #	86
19) Methyl tert-butyl Ether	5.222	73	214333	51.582	ug/l	95
20) Methylene Chloride	4.722	84	85753	44.427	ug/l	88
21) trans-1,2-Dichloroethene	5.222	96	84035	50.521	ug/l	88
22) Diisopropyl ether	6.119	45	182731	49.731	ug/l #	89
23) Vinyl Acetate	6.058	43	577887	252.392	ug/l #	92
24) 1,1-Dichloroethane	6.021	63	128731	50.510	ug/l	98
25) 2-Butanone	6.984	43	127126	254.805	ug/l #	85
26) 2,2-Dichloropropane	6.984	77	144969	52.398	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	94192	51.553	ug/l	94
28) Bromochloromethane	7.332	49	24665	44.313	ug/l #	71
29) Tetrahydrofuran	7.350	42	68398	249.582	ug/l #	79
30) Chloroform	7.509	83	153935	51.166	ug/l	100
31) Cyclohexane	7.789	56	112091	47.370	ug/l	90
32) 1,1,1-Trichloroethane	7.704	97	155626	52.251	ug/l	97
36) 1,1-Dichloropropene	7.917	75	112327	52.101	ug/l	97
37) Ethyl Acetate	7.070	43	48526	51.057	ug/l #	93
38) Carbon Tetrachloride	7.905	117	151190	54.299	ug/l	95
39) Methylcyclohexane	9.185	83	140769	53.430	ug/l	93
40) Benzene	8.161	78	325345	52.285	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	29126m	52.136	ug/l	
42) 1,2-Dichloroethane	8.240	62	104779	52.892	ug/l	99
43) Isopropyl Acetate	8.271	43	90097	50.953	ug/l #	92
44) Trichloroethene	8.941	130	97324	52.328	ug/l	96
45) 1,2-Dichloropropane	9.216	63	68467	52.731	ug/l	98
46) Dibromomethane	9.307	93	46329	53.299	ug/l	96
47) Bromodichloromethane	9.496	83	117313	53.615	ug/l	100
48) Methyl methacrylate	9.295	41	42142	51.725	ug/l	86
49) 1,4-Dioxane	9.307	88	13122	1107.874	ug/l	92
51) 4-Methyl-2-Pentanone	10.069	43	250094	265.244	ug/l	94
52) Toluene	10.246	92	220196	53.147	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	122098	53.348	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	129433	52.513	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	66694	54.004	ug/l	94
56) Ethyl methacrylate	10.508	69	88408	54.566	ug/l	92
57) 1,3-Dichloropropane	10.788	76	107595	53.347	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	129648	241.834	ug/l #	87
59) 2-Hexanone	10.831	43	195303	272.062	ug/l	95
60) Dibromochloromethane	10.984	129	89210	54.463	ug/l	99
61) 1,2-Dibromoethane	11.093	107	62974	52.845	ug/l	99
64) Tetrachloroethene	10.721	164	110530	54.883	ug/l	97
65) Chlorobenzene	11.520	112	239612	53.061	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	93067	54.601	ug/l	97
67) Ethyl Benzene	11.593	91	433254	53.683	ug/l	99
68) m/p-Xylenes	11.703	106	344267	107.887	ug/l	99
69) o-Xylene	12.032	106	164410	53.943	ug/l	97
70) Styrene	12.044	104	275593	54.118	ug/l	99
71) Bromoform	12.209	173	59915	55.019	ug/l #	100
73) Isopropylbenzene	12.331	105	446020	53.785	ug/l	99
74) N-amyl acetate	12.148	43	81299	50.012	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.587	83	68460	52.412	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	51052m	48.277	ug/l	
77) Bromobenzene	12.611	156	105068	52.654	ug/l	90
78) n-propylbenzene	12.672	91	512344	52.798	ug/l	98
79) 2-Chlorotoluene	12.758	91	290508	52.949	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	383259	53.165	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	27314	53.220	ug/l	97
82) 4-Chlorotoluene	12.855	91	299746	52.011	ug/l	97
83) tert-Butylbenzene	13.075	119	336650	53.581	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	381589	53.675	ug/l	99
85) sec-Butylbenzene	13.258	105	480063	53.665	ug/l	98
86) p-Isopropyltoluene	13.373	119	418734	53.576	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	210103	52.940	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	207092	52.324	ug/l	99
89) n-Butylbenzene	13.696	91	357673	52.807	ug/l	98
90) Hexachloroethane	13.965	117	73109	51.815	ug/l	92
91) 1,2-Dichlorobenzene	13.739	146	185559	52.400	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	14391	53.313	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	120882	53.275	ug/l	98
94) Hexachlorobutadiene	15.117	225	72225	52.868	ug/l	99
95) Naphthalene	15.239	128	247018	55.156	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	105566	54.066	ug/l	99

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

