

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062323\
 Data File : VY014400.D
 Acq On : 23 Jun 2023 11:28
 Operator : KP/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/26/2023
 Supervised By :Mahesh Dadoda 06/26/2023

Quant Time: Jun 23 12:57:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 12:54:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	259477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	388412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	363685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	200010	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	169126	52.497	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.000%			
35) Dibromofluoromethane	7.716	113	127755	53.238	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.480%			
50) Toluene-d8	10.179	98	511402	53.611	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.220%			
62) 4-Bromofluorobenzene	12.483	95	183848	53.986	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	108012	44.844	ug/l	97
3) Chloromethane	2.113	50	114254	48.473	ug/l	98
4) Vinyl Chloride	2.247	62	124494	48.460	ug/l	98
5) Bromomethane	2.644	94	104485	46.289	ug/l	98
6) Chloroethane	2.790	64	83921	49.317	ug/l	96
7) Trichlorofluoromethane	3.119	101	243220	47.953	ug/l	100
8) Diethyl Ether	3.528	74	76923	49.743	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.900	101	116182	48.466	ug/l	97
10) Methyl Iodide	4.088	142	158318	49.975	ug/l	96
11) Tert butyl alcohol	4.948	59	108576	266.073	ug/l #	82
12) 1,1-Dichloroethene	3.869	96	117535	49.169	ug/l	97
13) Acrolein	3.723	56	111983	259.882	ug/l	99
14) Allyl chloride	4.473	41	194627	50.979	ug/l	93
15) Acrylonitrile	5.161	53	220271	254.733	ug/l	99
16) Acetone	3.942	43	283214	279.376	ug/l	99
17) Carbon Disulfide	4.192	76	375589	50.773	ug/l	98
18) Methyl Acetate	4.473	43	173867	49.890	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	382662	52.045	ug/l	98
20) Methylene Chloride	4.716	84	148188	50.694	ug/l	93
21) trans-1,2-Dichloroethene	5.216	96	134671	51.237	ug/l	96
22) Diisopropyl ether	6.119	45	393090	51.811	ug/l	95
23) Vinyl Acetate	6.058	43	1058231m	264.113	ug/l	
24) 1,1-Dichloroethane	6.015	63	228126	50.635	ug/l	99
25) 2-Butanone	6.984	43	330385	261.662	ug/l	95
26) 2,2-Dichloropropane	6.978	77	233342	48.983	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	150172	50.755	ug/l	99
28) Bromochloromethane	7.332	49	104806	53.342	ug/l	86
29) Tetrahydrofuran	7.344	42	196762	261.343	ug/l	92
30) Chloroform	7.509	83	257706	50.708	ug/l	99
31) Cyclohexane	7.783	56	190870	47.966	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	244240	50.489	ug/l	98
36) 1,1-Dichloropropene	7.917	75	186896	50.541	ug/l	99
37) Ethyl Acetate	7.070	43	130891	51.360	ug/l	97
38) Carbon Tetrachloride	7.899	117	232104	49.877	ug/l	99
39) Methylcyclohexane	9.185	83	215602	50.676	ug/l	97
40) Benzene	8.161	78	537796	51.347	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	69460m	54.639	ug/l	
42) 1,2-Dichloroethane	8.234	62	201897	50.843	ug/l	100
43) Isopropyl Acetate	8.271	43	232001	51.556	ug/l	97
44) Trichloroethene	8.941	130	150577	50.075	ug/l	99
45) 1,2-Dichloropropane	9.216	63	124561	50.439	ug/l	98
46) Dibromomethane	9.307	93	85921	50.913	ug/l	96
47) Bromodichloromethane	9.496	83	202051	51.368	ug/l	100
48) Methyl methacrylate	9.295	41	108465	51.896	ug/l	96
49) 1,4-Dioxane	9.295	88	26826	1016.624	ug/l #	60
51) 4-Methyl-2-Pentanone	10.069	43	666523	262.434	ug/l	98
52) Toluene	10.246	92	350681	52.038	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	222877	52.263	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	225520	51.270	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	117306	51.910	ug/l	97
56) Ethyl methacrylate	10.508	69	173751	53.838	ug/l	95
57) 1,3-Dichloropropane	10.789	76	198506	52.225	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	417886	276.427	ug/l	93
59) 2-Hexanone	10.831	43	513230	268.173	ug/l	98
60) Dibromochloromethane	10.984	129	155124	51.747	ug/l	98
61) 1,2-Dibromoethane	11.087	107	117231	52.103	ug/l	99
64) Tetrachloroethene	10.721	164	153313	49.538	ug/l	96
65) Chlorobenzene	11.514	112	379752	50.826	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	153194	50.900	ug/l	98
67) Ethyl Benzene	11.593	91	687957	51.708	ug/l	99
68) m/p-Xylenes	11.703	106	538638	103.653	ug/l	98
69) o-Xylene	12.026	106	258771	52.333	ug/l	98
70) Styrene	12.044	104	443993	52.389	ug/l	99
71) Bromoform	12.209	173	114566	51.505	ug/l #	100
73) Isopropylbenzene	12.331	105	677564	50.310	ug/l	100
74) N-amyl acetate	12.142	43	222221	52.101	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	145169	50.437	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	122389m	48.667	ug/l	
77) Bromobenzene	12.611	156	174706	49.891	ug/l	96
78) n-propylbenzene	12.672	91	822407	50.615	ug/l	99
79) 2-Chlorotoluene	12.758	91	468451	50.483	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	594738	51.049	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	56341	51.125	ug/l	96
82) 4-Chlorotoluene	12.855	91	500691	50.650	ug/l	100
83) tert-Butylbenzene	13.075	119	502791	50.341	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	588211	50.952	ug/l	99
85) sec-Butylbenzene	13.252	105	732825	50.738	ug/l	99
86) p-Isopropyltoluene	13.367	119	633838	50.686	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	340563	50.422	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	338085	49.790	ug/l	100
89) n-Butylbenzene	13.697	91	579917	50.754	ug/l	98
90) Hexachloroethane	13.959	117	118987	50.015	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	311489	50.517	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	31703	49.837	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	205882	51.394	ug/l	98
94) Hexachlorobutadiene	15.111	225	118278	49.152	ug/l	99
95) Naphthalene	15.233	128	449237	52.159	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	185449	50.841	ug/l	99

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

