

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020923\
 Data File : VY012554.D
 Acq On : 09 Feb 2023 09:40
 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 02/10/2023
 Supervised By :Mahesh Dadoda 02/10/2023

Quant Time: Feb 09 16:37:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	138476	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	201765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	188007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	101006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	89785	50.988	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.980%			
35) Dibromofluoromethane	7.716	113	77675	52.863	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.720%			
50) Toluene-d8	10.179	98	322737	52.770	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.540%			
62) 4-Bromofluorobenzene	12.483	95	111908	52.459	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	45778	46.544	ug/l	99
3) Chloromethane	2.113	50	47376	43.910	ug/l	100
4) Vinyl Chloride	2.253	62	60388	44.925	ug/l	99
5) Bromomethane	2.650	94	50887	51.973	ug/l	99
6) Chloroethane	2.796	64	44180	47.220	ug/l	100
7) Trichlorofluoromethane	3.131	101	130407	47.199	ug/l	94
8) Diethyl Ether	3.534	74	39875	48.672	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.906	101	67098	48.092	ug/l	99
10) Methyl Iodide	4.095	142	77187	42.675	ug/l	100
11) Tert butyl alcohol	4.948	59	36262	211.903	ug/l	98
12) 1,1-Dichloroethene	3.875	96	65751	47.696	ug/l	95
13) Acrolein	3.729	56	46407	224.178	ug/l	99
14) Allyl chloride	4.479	41	79995	47.592	ug/l	99
15) Acrylonitrile	5.161	53	97368	257.609	ug/l	100
16) Acetone	3.948	43	119259	281.391	ug/l	99
17) Carbon Disulfide	4.198	76	155469	43.480	ug/l	97
18) Methyl Acetate	4.479	43	48222	47.337	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	209062	51.826	ug/l	100
20) Methylene Chloride	4.716	84	75234	47.289	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	72000	47.890	ug/l	96
22) Diisopropyl ether	6.119	45	174446	51.042	ug/l	95
23) Vinyl Acetate	6.058	43	546264	265.130	ug/l	100
24) 1,1-Dichloroethane	6.021	63	120271	49.226	ug/l	97
25) 2-Butanone	6.984	43	123133	261.856	ug/l	94
26) 2,2-Dichloropropane	6.984	77	131619	49.031	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	87266	50.017	ug/l	99
28) Bromochloromethane	7.332	49	46531	52.392	ug/l	99
29) Tetrahydrofuran	7.350	42	66832	262.895	ug/l	97
30) Chloroform	7.502	83	148246	50.326	ug/l	98
31) Cyclohexane	7.783	56	92455	45.412	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	142939	50.005	ug/l	98
36) 1,1-Dichloropropene	7.917	75	98317	49.439	ug/l	100
37) Ethyl Acetate	7.076	43	47149	52.543	ug/l	99
38) Carbon Tetrachloride	7.899	117	137088	51.354	ug/l	100
39) Methylcyclohexane	9.185	83	117002	48.894	ug/l	98
40) Benzene	8.161	78	295492	50.308	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	24861m	50.570	ug/l	
42) 1,2-Dichloroethane	8.240	62	98417	51.696	ug/l	99
43) Isopropyl Acetate	8.271	43	89694	53.911	ug/l	99
44) Trichloroethene	8.941	130	91092	50.946	ug/l	98
45) 1,2-Dichloropropane	9.216	63	64115	50.341	ug/l	98
46) Dibromomethane	9.307	93	43871	52.022	ug/l	99
47) Bromodichloromethane	9.496	83	112995	51.676	ug/l	98
48) Methyl methacrylate	9.289	41	41434	54.483	ug/l	99
49) 1,4-Dioxane	9.301	88	13041	1120.204	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	249415	277.855	ug/l	100
52) Toluene	10.246	92	203114	50.993	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	115414	52.381	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	122256	51.273	ug/l	100
55) 1,1,2-Trichloroethane	10.642	97	64870	52.644	ug/l	99
56) Ethyl methacrylate	10.508	69	86394	55.804	ug/l	99
57) 1,3-Dichloropropane	10.788	76	106431	53.517	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	188213	270.475	ug/l	98
59) 2-Hexanone	10.831	43	194799	287.161	ug/l	100
60) Dibromochloromethane	10.984	129	87995	53.571	ug/l	99
61) 1,2-Dibromoethane	11.087	107	60897	52.744	ug/l	99
64) Tetrachloroethene	10.721	164	106993	54.511	ug/l	98
65) Chlorobenzene	11.514	112	226100	50.704	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	90410	51.739	ug/l	99
67) Ethyl Benzene	11.593	91	402877	51.463	ug/l	100
68) m/p-Xylenes	11.703	106	319676	102.302	ug/l	100
69) o-Xylene	12.032	106	153545	51.596	ug/l	97
70) Styrene	12.044	104	264084	52.325	ug/l	100
71) Bromoform	12.209	173	60350	54.639	ug/l #	99
73) Isopropylbenzene	12.331	105	422932	51.754	ug/l	100
74) N-amyl acetate	12.142	43	79626	53.827	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	67361	50.978	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	59232m	52.488	ug/l	
77) Bromobenzene	12.611	156	101134	51.060	ug/l	98
78) n-propylbenzene	12.672	91	480108	51.043	ug/l	100
79) 2-Chlorotoluene	12.758	91	273344	51.192	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	364060	51.751	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	26606	53.167	ug/l	98
82) 4-Chlorotoluene	12.855	91	282852	50.498	ug/l	100
83) tert-Butylbenzene	13.075	119	324270	52.565	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	359168	51.888	ug/l	99
85) sec-Butylbenzene	13.258	105	454679	51.520	ug/l	99
86) p-Isopropyltoluene	13.367	119	395232	51.622	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	200781	50.947	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	199493	50.535	ug/l	100
89) n-Butylbenzene	13.696	91	337507	51.580	ug/l	99
90) Hexachloroethane	13.965	117	71175	50.648	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	180938	51.036	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14261	54.234	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	114604	52.171	ug/l	98
94) Hexachlorobutadiene	15.111	225	68081	49.889	ug/l	100
95) Naphthalene	15.239	128	231497	54.896	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	99957	52.568	ug/l	100

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

