

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030923\
 Data File : VY012886.D
 Acq On : 09 Mar 2023 09:33
 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 03/10/2023
 Supervised By :Mahesh Dadoda 03/10/2023

Quant Time: Mar 10 00:22:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	106908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	161417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	144283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	74209	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	46923	44.206	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.420%		
35) Dibromofluoromethane	7.716	113	46516	47.750	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.500%		
50) Toluene-d8	10.179	98	164229	46.115	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.220%		
62) 4-Bromofluorobenzene	12.483	95	56910	47.345	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.700%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	49609	47.079	ug/l	100
3) Chloromethane	2.113	50	57232	45.432	ug/l	99
4) Vinyl Chloride	2.253	62	57543	49.813	ug/l	96
5) Bromomethane	2.656	94	35979	51.258	ug/l	96
6) Chloroethane	2.796	64	36218	52.352	ug/l	97
7) Trichlorofluoromethane	3.131	101	99541	51.882	ug/l	100
8) Diethyl Ether	3.534	74	33200	49.380	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	59981	51.963	ug/l	99
10) Methyl Iodide	4.094	142	77307	51.400	ug/l	98
11) Tert butyl alcohol	4.948	59	28683	233.653	ug/l #	86
12) 1,1-Dichloroethene	3.881	96	57275	52.025	ug/l	94
13) Acrolein	3.735	56	37242	200.262	ug/l	99
14) Allyl chloride	4.485	41	99363m	48.861	ug/l	
15) Acrylonitrile	5.161	53	89689	253.173	ug/l	100
16) Acetone	3.948	43	114960	275.928	ug/l	97
17) Carbon Disulfide	4.198	76	181854	48.529	ug/l	100
18) Methyl Acetate	4.485	43	59324	47.815	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	153523	53.989	ug/l	99
20) Methylene Chloride	4.716	84	67119	53.129	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	63648	53.201	ug/l	99
22) Diisopropyl ether	6.118	45	188274	50.973	ug/l	96
23) Vinyl Acetate	6.058	43	582943	254.006	ug/l	99
24) 1,1-Dichloroethane	6.021	63	107731	51.185	ug/l	99
25) 2-Butanone	6.984	43	133550	258.802	ug/l	98
26) 2,2-Dichloropropane	6.984	77	97402	52.105	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	67732	52.806	ug/l	98
28) Bromochloromethane	7.338	49	40168	52.223	ug/l	96
29) Tetrahydrofuran	7.344	42	76329	245.250	ug/l	97
30) Chloroform	7.508	83	110829	53.310	ug/l	98
31) Cyclohexane	7.789	56	96084	47.265	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	100031	53.206	ug/l	100
36) 1,1-Dichloropropene	7.917	75	85537	52.398	ug/l	100
37) Ethyl Acetate	7.076	43	50628	49.205	ug/l	99
38) Carbon Tetrachloride	7.899	117	92949	55.137	ug/l	97
39) Methylcyclohexane	9.185	83	102313	52.717	ug/l	99
40) Benzene	8.161	78	246531	53.387	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	30585m	55.173	ug/l	
42) 1,2-Dichloroethane	8.240	62	73422	52.885	ug/l	99
43) Isopropyl Acetate	8.271	43	92731	50.515	ug/l	99
44) Trichloroethene	8.941	130	65813	54.056	ug/l	97
45) 1,2-Dichloropropane	9.215	63	60679	51.994	ug/l	96
46) Dibromomethane	9.307	93	35767	53.796	ug/l	98
47) Bromodichloromethane	9.496	83	84330	53.824	ug/l #	96
48) Methyl methacrylate	9.295	41	43450	51.369	ug/l	97
49) 1,4-Dioxane	9.301	88	9390	1092.494	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	257613	258.711	ug/l	99
52) Toluene	10.246	92	152646	54.812	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	89012	54.164	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	99907	53.711	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	48613	52.502	ug/l	97
56) Ethyl methacrylate	10.508	69	67317	54.525	ug/l	98
57) 1,3-Dichloropropane	10.788	76	83868	53.179	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	169257	261.150	ug/l	98
59) 2-Hexanone	10.831	43	198673	274.525	ug/l	99
60) Dibromochloromethane	10.983	129	60997	54.118	ug/l	99
61) 1,2-Dibromoethane	11.087	107	47359	53.097	ug/l	100
64) Tetrachloroethene	10.721	164	57010	54.270	ug/l	99
65) Chlorobenzene	11.520	112	161811	53.436	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	61606	54.980	ug/l	99
67) Ethyl Benzene	11.593	91	292999	55.034	ug/l	100
68) m/p-Xylenes	11.703	106	225983	110.338	ug/l	99
69) o-Xylene	12.032	106	106247	55.584	ug/l	98
70) Styrene	12.044	104	180589	56.614	ug/l	100
71) Bromoform	12.209	173	39709	54.353	ug/l #	98
73) Isopropylbenzene	12.331	105	285351	54.257	ug/l	100
74) N-amyl acetate	12.142	43	82267	49.716	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	60489	51.165	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	46602m	52.588	ug/l	
77) Bromobenzene	12.611	156	68100	53.301	ug/l	96
78) n-propylbenzene	12.672	91	351108	54.149	ug/l	100
79) 2-Chlorotoluene	12.758	91	191009	53.003	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	236673	54.530	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	21382	49.995	ug/l	99
82) 4-Chlorotoluene	12.855	91	196874	52.775	ug/l	100
83) tert-Butylbenzene	13.075	119	204482	54.584	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	232421	54.763	ug/l	100
85) sec-Butylbenzene	13.251	105	310380	54.309	ug/l	100
86) p-Isopropyltoluene	13.373	119	253848	54.348	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	131672	53.435	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	132406	52.648	ug/l	99
89) n-Butylbenzene	13.696	91	242478	54.228	ug/l	100
90) Hexachloroethane	13.965	117	50953	52.376	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	119253	53.537	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9708	50.809	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	71952	52.463	ug/l	99
94) Hexachlorobutadiene	15.111	225	43618	52.143	ug/l	100
95) Naphthalene	15.239	128	146910	53.454	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	64867	53.180	ug/l	100

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

