

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010323\
 Data File : VY012036.D
 Acq On : 03 Jan 2023 10:31
 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 01/04/2023
 Supervised By :Mahesh Dadoda 01/04/2023

Quant Time: Jan 04 01:08:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	180531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	267966	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	241273	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	123504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	89476	49.195	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.380%		
35) Dibromofluoromethane	7.716	113	81533	50.540	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.080%		
50) Toluene-d8	10.179	98	323384	49.407	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.820%		
62) 4-Bromofluorobenzene	12.483	95	112900	51.288	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	79432	54.911	ug/l	97
3) Chloromethane	2.113	50	72495	45.119	ug/l	96
4) Vinyl Chloride	2.253	62	85840	48.445	ug/l	99
5) Bromomethane	2.656	94	63153	50.097	ug/l	94
6) Chloroethane	2.796	64	57342	49.509	ug/l	99
7) Trichlorofluoromethane	3.131	101	170550	54.984	ug/l	100
8) Diethyl Ether	3.534	74	47302	49.424	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.899	101	88855	52.037	ug/l	97
10) Methyl Iodide	4.094	142	117783	49.855	ug/l	95
11) Tert butyl alcohol	4.954	59	36737	198.852	ug/l	98
12) 1,1-Dichloroethene	3.875	96	85381	49.988	ug/l	97
13) Acrolein	3.729	56	29429	173.091	ug/l	98
14) Allyl chloride	4.479	41	113051	44.946	ug/l #	89
15) Acrylonitrile	5.161	53	107553	241.581	ug/l	99
16) Acetone	3.948	43	119275	220.244	ug/l	98
17) Carbon Disulfide	4.198	76	226293	41.534	ug/l	100
18) Methyl Acetate	4.479	43	55566	44.213	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	234720	53.559	ug/l	95
20) Methylene Chloride	4.716	84	93868	44.149	ug/l	91
21) trans-1,2-Dichloroethene	5.222	96	94100	48.487	ug/l	92
22) Diisopropyl ether	6.118	45	233466	47.128	ug/l #	94
23) Vinyl Acetate	6.057	43	690263	242.185	ug/l	95
24) 1,1-Dichloroethane	6.021	63	155810	48.387	ug/l	99
25) 2-Butanone	6.984	43	135373	223.440	ug/l	93
26) 2,2-Dichloropropane	6.984	77	165200	52.429	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	106707	50.836	ug/l	96
28) Bromochloromethane	7.332	49	37213	42.113	ug/l #	82
29) Tetrahydrofuran	7.350	42	76810	223.762	ug/l	89
30) Chloroform	7.508	83	179945	51.846	ug/l	100
31) Cyclohexane	7.789	56	130462	42.609	ug/l	93
32) 1,1,1-Trichloroethane	7.704	97	177879	53.883	ug/l	98
36) 1,1-Dichloropropene	7.917	75	130580	50.462	ug/l	99
37) Ethyl Acetate	7.069	43	54915	47.301	ug/l #	96
38) Carbon Tetrachloride	7.899	117	168626	56.424	ug/l	99
39) Methylcyclohexane	9.185	83	155229	49.854	ug/l	97
40) Benzene	8.161	78	369106	49.843	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	29726m	52.949	ug/l	
42) 1,2-Dichloroethane	8.234	62	115122	54.001	ug/l	99
43) Isopropyl Acetate	8.271	43	101640	47.936	ug/l	95
44) Trichloroethene	8.941	130	109735	52.573	ug/l	100
45) 1,2-Dichloropropane	9.215	63	82593	48.271	ug/l	99
46) Dibromomethane	9.307	93	50942	51.687	ug/l	98
47) Bromodichloromethane	9.496	83	132523	53.001	ug/l	98
48) Methyl methacrylate	9.295	41	46564	47.430	ug/l	91
49) 1,4-Dioxane	9.301	88	13095	1112.844	ug/l	89
51) 4-Methyl-2-Pentanone	10.069	43	270752	239.475	ug/l	97
52) Toluene	10.246	92	247474	52.452	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	135204	53.513	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	148472	52.280	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	72331	51.717	ug/l	95
56) Ethyl methacrylate	10.508	69	94298	53.253	ug/l	95
57) 1,3-Dichloropropane	10.788	76	120873	51.788	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	162780	238.226	ug/l	92
59) 2-Hexanone	10.831	43	201655	242.444	ug/l	96
60) Dibromochloromethane	10.983	129	97458	55.315	ug/l	99
61) 1,2-Dibromoethane	11.087	107	67636	51.690	ug/l	100
64) Tetrachloroethene	10.721	164	115910	54.885	ug/l	97
65) Chlorobenzene	11.520	112	264740	52.846	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	102096	54.775	ug/l	96
67) Ethyl Benzene	11.593	91	484903	53.548	ug/l	100
68) m/p-Xylenes	11.703	106	383544	108.907	ug/l	100
69) o-Xylene	12.032	106	180544	55.098	ug/l	99
70) Styrene	12.044	104	308171	56.011	ug/l	99
71) Bromoform	12.209	173	62550	56.634	ug/l #	99
73) Isopropylbenzene	12.331	105	504237	55.019	ug/l	99
74) N-amyl acetate	12.142	43	92337	49.144	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	74090	48.459	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	63393m	41.250	ug/l	
77) Bromobenzene	12.611	156	113874	53.707	ug/l	93
78) n-propylbenzene	12.672	91	586914	53.277	ug/l	98
79) 2-Chlorotoluene	12.758	91	328184	52.998	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	431800	55.030	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	29350	52.300	ug/l	99
82) 4-Chlorotoluene	12.855	91	340581	53.157	ug/l	99
83) tert-Butylbenzene	13.075	119	372439	56.006	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	427139	55.334	ug/l	99
85) sec-Butylbenzene	13.257	105	549993	55.387	ug/l	99
86) p-Isopropyltoluene	13.367	119	476238	56.839	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	228433	53.571	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	228521	53.908	ug/l	99
89) n-Butylbenzene	13.696	91	420626	55.455	ug/l	99
90) Hexachloroethane	13.959	117	85757	53.641	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	202990	54.605	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14797	56.316	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	130644	59.742	ug/l	99
94) Hexachlorobutadiene	15.111	225	84014	59.457	ug/l	98
95) Naphthalene	15.239	128	250041	54.696	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	110566	59.802	ug/l	99

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

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