

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010423\
 Data File : VY012062.D
 Acq On : 04 Jan 2023 09:42
 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 01/05/2023
 Supervised By :Mahesh Dadoda 01/05/2023

Quant Time: Jan 05 01:03:57 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	194309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	286557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	266683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	92778	47.393	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.780%		
35) Dibromofluoromethane	7.716	113	85617	49.629	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.260%		
50) Toluene-d8	10.179	98	331018	47.293	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.580%		
62) 4-Bromofluorobenzene	12.483	95	119631	50.820	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.640%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	81608	52.527	ug/l	97
3) Chloromethane	2.113	50	76166	44.043	ug/l	98
4) Vinyl Chloride	2.253	62	88645	46.480	ug/l	99
5) Bromomethane	2.656	94	64941	47.862	ug/l	96
6) Chloroethane	2.796	64	60578	48.595	ug/l	94
7) Trichlorofluoromethane	3.125	101	179732	53.835	ug/l	99
8) Diethyl Ether	3.534	74	55063	53.453	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.905	101	97450	53.024	ug/l	96
10) Methyl Iodide	4.094	142	125383	49.309	ug/l	95
11) Tert butyl alcohol	4.948	59	44757	230.542	ug/l	99
12) 1,1-Dichloroethene	3.875	96	92769	50.462	ug/l	98
13) Acrolein	3.729	56	36659	200.326	ug/l	99
14) Allyl chloride	4.478	41	128956	47.634	ug/l	92
15) Acrylonitrile	5.155	53	133328	278.240	ug/l	100
16) Acetone	3.948	43	122216	209.907	ug/l	99
17) Carbon Disulfide	4.198	76	246091	41.965	ug/l	99
18) Methyl Acetate	4.472	43	68645	50.747	ug/l	92
19) Methyl tert-butyl Ether	5.222	73	274831	58.265	ug/l	97
20) Methylene Chloride	4.716	84	110426	48.891	ug/l	91
21) trans-1,2-Dichloroethene	5.222	96	105983	50.737	ug/l	96
22) Diisopropyl ether	6.118	45	281081	52.716	ug/l	97
23) Vinyl Acetate	6.064	43	839831	273.768	ug/l	96
24) 1,1-Dichloroethane	6.015	63	179079	51.670	ug/l	99
25) 2-Butanone	6.984	43	160067	245.464	ug/l	94
26) 2,2-Dichloropropane	6.984	77	181601	53.547	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	119843	53.045	ug/l	96
28) Bromochloromethane	7.332	49	41201	43.320	ug/l	87
29) Tetrahydrofuran	7.344	42	98932	267.772	ug/l	91
30) Chloroform	7.508	83	204755	54.811	ug/l	99
31) Cyclohexane	7.783	56	150429	45.646	ug/l	96
32) 1,1,1-Trichloroethane	7.703	97	195241	54.949	ug/l	99
36) 1,1-Dichloropropene	7.917	75	147228	53.205	ug/l	98
37) Ethyl Acetate	7.069	43	69415	55.912	ug/l	98
38) Carbon Tetrachloride	7.899	117	184345	57.682	ug/l	97
39) Methylcyclohexane	9.185	83	173631	52.146	ug/l	98
40) Benzene	8.161	78	420620	53.114	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	38063m	63.401	ug/l	
42) 1,2-Dichloroethane	8.234	62	131975	57.890	ug/l	99
43) Isopropyl Acetate	8.270	43	127305	56.145	ug/l	95
44) Trichloroethene	8.941	130	121887	54.606	ug/l	99
45) 1,2-Dichloropropane	9.215	63	98899	54.051	ug/l	100
46) Dibromomethane	9.301	93	60971	57.850	ug/l	99
47) Bromodichloromethane	9.496	83	155549	58.174	ug/l	97
48) Methyl methacrylate	9.289	41	58854	56.060	ug/l	93
49) 1,4-Dioxane	9.295	88	15683	1246.312	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	350924	290.249	ug/l	97
52) Toluene	10.246	92	284795	56.446	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	158638	58.715	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	172384	56.762	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	87666	58.615	ug/l	98
56) Ethyl methacrylate	10.508	69	114485	60.458	ug/l	97
57) 1,3-Dichloropropane	10.788	76	143801	57.614	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	178375	244.113	ug/l	94
59) 2-Hexanone	10.831	43	248862	279.788	ug/l	96
60) Dibromochloromethane	10.983	129	116854	62.021	ug/l	99
61) 1,2-Dibromoethane	11.087	107	81558	58.286	ug/l	99
64) Tetrachloroethene	10.721	164	131879	56.496	ug/l	97
65) Chlorobenzene	11.514	112	305414	55.156	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	118999	57.761	ug/l	98
67) Ethyl Benzene	11.593	91	554203	55.369	ug/l	99
68) m/p-Xylenes	11.703	106	437910	112.497	ug/l	99
69) o-Xylene	12.032	106	206139	56.915	ug/l	99
70) Styrene	12.044	104	352558	57.973	ug/l	99
71) Bromoform	12.209	173	75640	61.961	ug/l #	99
73) Isopropylbenzene	12.331	105	566594	54.711	ug/l	99
74) N-amyl acetate	12.142	43	117665	55.420	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	93831	54.311	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	77207m	44.459	ug/l	
77) Bromobenzene	12.611	156	133091	55.550	ug/l	94
78) n-propylbenzene	12.672	91	665483	53.460	ug/l	99
79) 2-Chlorotoluene	12.757	91	373660	53.401	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	486978	54.923	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	34935	55.091	ug/l	97
82) 4-Chlorotoluene	12.855	91	388846	53.708	ug/l	99
83) tert-Butylbenzene	13.074	119	422007	56.160	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	485609	55.671	ug/l	99
85) sec-Butylbenzene	13.257	105	614619	54.775	ug/l	98
86) p-Isopropyltoluene	13.367	119	540592	57.097	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	267278	55.470	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	264873	55.296	ug/l	99
89) n-Butylbenzene	13.696	91	476097	55.547	ug/l	99
90) Hexachloroethane	13.958	117	99691	55.183	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	238575	56.794	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17791	59.921	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	152076	61.543	ug/l	99
94) Hexachlorobutadiene	15.111	225	94236	59.019	ug/l	100
95) Naphthalene	15.233	128	299731	57.854	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	132755	63.543	ug/l	100

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

