

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022123\
 Data File : VY012677.D
 Acq On : 21 Feb 2023 16:23
 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 02/22/2023
 Supervised By :Mahesh Dadoda 02/22/2023

Quant Time: Feb 22 01:06:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 01:01:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	124182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	189252	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	165776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	81345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	72371	49.345	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.680%		
35) Dibromofluoromethane	7.716	113	63890	49.982	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.960%		
50) Toluene-d8	10.179	98	237582	49.611	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.220%		
62) 4-Bromofluorobenzene	12.483	95	76403	49.855	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.720%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	59300	46.447	ug/l	100
3) Chloromethane	2.113	50	76329	50.156	ug/l	100
4) Vinyl Chloride	2.253	62	67361	47.751	ug/l	100
5) Bromomethane	2.656	94	35950	46.533	ug/l	100
6) Chloroethane	2.796	64	40475	45.073	ug/l	100
7) Trichlorofluoromethane	3.131	101	107934	47.466	ug/l	100
8) Diethyl Ether	3.528	74	40757	50.063	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.899	101	64258	47.287	ug/l	100
10) Methyl Iodide	4.095	142	87628	49.248	ug/l	100
11) Tert butyl alcohol	4.954	59	35949	224.073	ug/l	100
12) 1,1-Dichloroethene	3.875	96	62497	47.639	ug/l	100
13) Acrolein	3.729	56	55021	271.434	ug/l	100
14) Allyl chloride	4.479	41	125631	49.343	ug/l	100
15) Acrylonitrile	5.161	53	115596	266.889	ug/l	100
16) Acetone	3.948	43	128489	268.483	ug/l	100
17) Carbon Disulfide	4.192	76	210260	47.627	ug/l	100
18) Methyl Acetate	4.473	43	80799	52.410	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	180687	51.204	ug/l	100
20) Methylene Chloride	4.716	84	75673	50.752	ug/l	100
21) trans-1,2-Dichloroethene	5.222	96	69139	48.451	ug/l	100
22) Diisopropyl ether	6.119	45	237245	49.935	ug/l	100
23) Vinyl Acetate	6.058	43	768647	261.218	ug/l	100
24) 1,1-Dichloroethane	6.015	63	127613	48.439	ug/l	100
25) 2-Butanone	6.984	43	172546	271.649	ug/l	100
26) 2,2-Dichloropropane	6.984	77	106627	46.398	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	75188	48.157	ug/l	100
28) Bromochloromethane	7.332	49	54736	51.885	ug/l	100
29) Tetrahydrofuran	7.344	42	107274	276.630	ug/l	100
30) Chloroform	7.503	83	124085	48.609	ug/l	100
31) Cyclohexane	7.783	56	115882	45.479	ug/l	100
32) 1,1,1-Trichloroethane	7.698	97	110066	47.630	ug/l	100
36) 1,1-Dichloropropene	7.917	75	96419	47.587	ug/l	100
37) Ethyl Acetate	7.070	43	73712	53.915	ug/l	100
38) Carbon Tetrachloride	7.899	117	100414	47.929	ug/l	100
39) Methylcyclohexane	9.185	83	114868	49.146	ug/l	100
40) Benzene	8.161	78	275974	48.795	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	31649m	47.520	ug/l	
42) 1,2-Dichloroethane	8.240	62	86842	49.517	ug/l	100
43) Isopropyl Acetate	8.271	43	125590	53.158	ug/l	100
44) Trichloroethene	8.941	130	70128	47.958	ug/l	100
45) 1,2-Dichloropropane	9.216	63	71838	49.380	ug/l	100
46) Dibromomethane	9.307	93	40805	50.811	ug/l	100
47) Bromodichloromethane	9.496	83	94377	48.816	ug/l	100
48) Methyl methacrylate	9.295	41	57415	52.079	ug/l	100
49) 1,4-Dioxane	9.301	88	11536m	941.869	ug/l	
51) 4-Methyl-2-Pentanone	10.069	43	350729	275.205	ug/l	100
52) Toluene	10.246	92	165841	49.489	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	101246	50.115	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	114793	50.214	ug/l	100
55) 1,1,2-Trichloroethane	10.642	97	54021	49.525	ug/l	100
56) Ethyl methacrylate	10.508	69	80358	53.944	ug/l	100
57) 1,3-Dichloropropane	10.789	76	96126	50.140	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	207748	263.900	ug/l	100
59) 2-Hexanone	10.831	43	255346	282.630	ug/l	100
60) Dibromochloromethane	10.984	129	65914	49.877	ug/l	100
61) 1,2-Dibromoethane	11.087	107	52872	50.593	ug/l	100
64) Tetrachloroethene	10.721	164	57505	47.696	ug/l	100
65) Chlorobenzene	11.514	112	170554	47.977	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	64554	48.999	ug/l	100
67) Ethyl Benzene	11.593	91	309655	48.731	ug/l	100
68) m/p-Xylenes	11.703	106	237398	97.936	ug/l	100
69) o-Xylene	12.032	106	112384	50.056	ug/l	100
70) Styrene	12.044	104	188896	50.197	ug/l	100
71) Bromoform	12.209	173	42764	50.869	ug/l #	100
73) Isopropylbenzene	12.331	105	293682	48.855	ug/l	100
74) N-amyl acetate	12.142	43	106858	54.076	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.581	83	68109	50.391	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	51018m	52.035	ug/l	
77) Bromobenzene	12.611	156	70284	48.796	ug/l	100
78) n-propylbenzene	12.672	91	363768	48.379	ug/l	100
79) 2-Chlorotoluene	12.758	91	201122	48.147	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	242489	48.291	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	24775	51.756	ug/l	100
82) 4-Chlorotoluene	12.855	91	207756	47.954	ug/l	100
83) tert-Butylbenzene	13.075	119	210885	49.182	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	241252	49.147	ug/l	100
85) sec-Butylbenzene	13.251	105	314366	48.187	ug/l	100
86) p-Isopropyltoluene	13.367	119	260726	48.527	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	135594	48.063	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	135221	47.265	ug/l	100
89) n-Butylbenzene	13.697	91	249292	48.449	ug/l	100
90) Hexachloroethane	13.959	117	50754	46.548	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	121944	48.399	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	11370	51.176	ug/l	100
93) 1,2,4-Trichlorobenzene	15.007	180	76899	48.258	ug/l	100
94) Hexachlorobutadiene	15.111	225	44264	46.026	ug/l	100
95) Naphthalene	15.239	128	170001	52.798	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	68333	48.447	ug/l	100

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

