

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030723\
 Data File : VY012858.D
 Acq On : 07 Mar 2023 20:25
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/08/2023
 Supervised By :Mahesh Dadoda 03/08/2023

Quant Time: Mar 07 23:45:51 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	94412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	143030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	134853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	71538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	46414	49.514	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.020%		
35) Dibromofluoromethane	7.715	113	44120	51.113	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.220%		
50) Toluene-d8	10.178	98	155684	49.335	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.680%		
62) 4-Bromofluorobenzene	12.483	95	56036	52.611	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	105.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	41015	44.075	ug/l	97
3) Chloromethane	2.113	50	49001	44.046	ug/l	98
4) Vinyl Chloride	2.253	62	47729	46.786	ug/l	97
5) Bromomethane	2.649	94	32418	52.298	ug/l	95
6) Chloroethane	2.796	64	31560	51.657	ug/l	97
7) Trichlorofluoromethane	3.125	101	84262	49.731	ug/l	97
8) Diethyl Ether	3.533	74	30410	51.216	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	50099	49.146	ug/l	98
10) Methyl Iodide	4.088	142	69031	51.972	ug/l	98
11) Tert butyl alcohol	4.954	59	28104	261.638	ug/l	100
12) 1,1-Dichloroethene	3.869	96	48575	49.963	ug/l	98
13) Acrolein	3.728	56	44518	271.071	ug/l	100
14) Allyl chloride	4.478	41	76780	42.753	ug/l	91
15) Acrylonitrile	5.161	53	86642	276.943	ug/l	100
16) Acetone	3.948	43	86256	234.435	ug/l	99
17) Carbon Disulfide	4.192	76	155708	47.052	ug/l	99
18) Methyl Acetate	4.478	43	55845	50.968	ug/l	98
19) Methyl tert-butyl Ether	5.216	73	137686	54.828	ug/l	99
20) Methylene Chloride	4.716	84	62917	56.765	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	54695	51.769	ug/l	97
22) Diisopropyl ether	6.118	45	170764	52.351	ug/l	96
23) Vinyl Acetate	6.057	43	548540	270.651	ug/l	99
24) 1,1-Dichloroethane	6.015	63	95115	51.172	ug/l	98
25) 2-Butanone	6.984	43	117929	258.778	ug/l	99
26) 2,2-Dichloropropane	6.978	77	80457	48.737	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	60830	53.702	ug/l	97
28) Bromochloromethane	7.331	49	38713	56.993	ug/l	94
29) Tetrahydrofuran	7.344	42	78296	284.867	ug/l	97
30) Chloroform	7.502	83	102379	55.763	ug/l	99
31) Cyclohexane	7.783	56	80480	44.829	ug/l	91
32) 1,1,1-Trichloroethane	7.703	97	88166	53.102	ug/l	99
36) 1,1-Dichloropropene	7.917	75	74256	51.335	ug/l	99
37) Ethyl Acetate	7.075	43	50917	55.848	ug/l	98
38) Carbon Tetrachloride	7.898	117	80927	54.177	ug/l	100
39) Methylcyclohexane	9.185	83	86942	50.556	ug/l	98
40) Benzene	8.161	78	223008	54.502	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	26612m	54.177	ug/l	
42) 1,2-Dichloroethane	8.234	62	69480	56.480	ug/l	100
43) Isopropyl Acetate	8.270	43	89288	54.892	ug/l	97
44) Trichloroethene	8.941	130	58669	54.383	ug/l	98
45) 1,2-Dichloropropane	9.215	63	56267	54.412	ug/l	98
46) Dibromomethane	9.307	93	34465	58.502	ug/l	98
47) Bromodichloromethane	9.496	83	78984	56.893	ug/l	99
48) Methyl methacrylate	9.294	41	40542	54.092	ug/l	91
49) 1,4-Dioxane	9.294	88	9463	1242.523	ug/l	99
51) 4-Methyl-2-Pentanone	10.069	43	261754	296.662	ug/l	99
52) Toluene	10.246	92	141207	57.222	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	83407	57.277	ug/l	99
54) cis-1,3-Dichloropropene	9.928	75	92049	55.848	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	48288	58.855	ug/l	99
56) Ethyl methacrylate	10.508	69	65581	59.947	ug/l	98
57) 1,3-Dichloropropane	10.788	76	80912	57.901	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	180782	314.790	ug/l	99
59) 2-Hexanone	10.831	43	189668	295.773	ug/l	99
60) Dibromochloromethane	10.983	129	60435	60.513	ug/l	98
61) 1,2-Dibromoethane	11.087	107	46553	58.903	ug/l	100
64) Tetrachloroethene	10.721	164	51062	52.007	ug/l	98
65) Chlorobenzene	11.520	112	152757	53.973	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	58046	55.426	ug/l	99
67) Ethyl Benzene	11.593	91	269367	54.133	ug/l	100
68) m/p-Xylenes	11.703	106	207364	108.327	ug/l	99
69) o-Xylene	12.032	106	97484	54.566	ug/l	99
70) Styrene	12.044	104	170338	57.135	ug/l	99
71) Bromoform	12.209	173	39969	58.534	ug/l #	98
73) Isopropylbenzene	12.331	105	259314	51.147	ug/l	100
74) N-amyl acetate	12.142	43	82089	51.460	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.580	83	62663	54.982	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	47698m	55.834	ug/l	
77) Bromobenzene	12.611	156	65312	53.028	ug/l	97
78) n-propylbenzene	12.672	91	320893	51.337	ug/l	100
79) 2-Chlorotoluene	12.757	91	178995	51.524	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	218506	52.224	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	21427	51.971	ug/l	98
82) 4-Chlorotoluene	12.855	91	188035	52.288	ug/l	98
83) tert-Butylbenzene	13.074	119	186872	51.746	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	217569	53.178	ug/l	99
85) sec-Butylbenzene	13.251	105	285031	51.736	ug/l	100
86) p-Isopropyltoluene	13.373	119	238077	52.874	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	126103	53.086	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	127024	52.394	ug/l	98
89) n-Butylbenzene	13.696	91	223230	51.787	ug/l	99
90) Hexachloroethane	13.964	117	48525	51.743	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	117443	54.693	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	10142	55.063	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	72044	54.491	ug/l	100
94) Hexachlorobutadiene	15.111	225	41348	51.275	ug/l	99
95) Naphthalene	15.239	128	153481	57.930	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	64531	54.880	ug/l	99

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

