

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032423\
 Data File : VY013070.D
 Acq On : 24 Mar 2023 11:15
 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 03/27/2023
 Supervised By :Mahesh Dadoda 03/27/2023

Quant Time: Mar 25 03:51:49 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	103211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	162261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	148012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	81384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	54873	53.548	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.100%			
35) Dibromofluoromethane	7.716	113	52691	53.808	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.620%			
50) Toluene-d8	10.179	98	166948	46.635	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.260%			
62) 4-Bromofluorobenzene	12.483	95	71846	59.460	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 118.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	55139	54.201	ug/l	97
3) Chloromethane	2.113	50	55668	45.773	ug/l	99
4) Vinyl Chloride	2.253	62	56848	50.974	ug/l	100
5) Bromomethane	2.650	94	35511	52.403	ug/l	97
6) Chloroethane	2.796	64	34461	51.596	ug/l	97
7) Trichlorofluoromethane	3.131	101	91434	49.364	ug/l	100
8) Diethyl Ether	3.534	74	32830	50.578	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	60865	54.617	ug/l	99
10) Methyl Iodide	4.095	142	78503	54.065	ug/l	97
11) Tert butyl alcohol	4.948	59	25447	212.941	ug/l	99
12) 1,1-Dichloroethene	3.875	96	57745	54.331	ug/l	99
13) Acrolein	3.729	56	31422	175.018	ug/l	100
14) Allyl chloride	4.479	41	106504	54.248	ug/l	100
15) Acrylonitrile	5.161	53	83527	244.225	ug/l	100
16) Acetone	3.948	43	103926	258.379	ug/l	99
17) Carbon Disulfide	4.198	76	181989	50.305	ug/l	99
18) Methyl Acetate	4.473	43	58904	49.177	ug/l	100
19) Methyl tert-butyl Ether	5.222	73	142758	52.001	ug/l	100
20) Methylene Chloride	4.716	84	69807	57.702	ug/l	99
21) trans-1,2-Dichloroethene	5.216	96	62196	53.850	ug/l	97
22) Diisopropyl ether	6.119	45	198881	55.773	ug/l	97
23) Vinyl Acetate	6.058	43	585337	264.185	ug/l	100
24) 1,1-Dichloroethane	6.015	63	111907	55.074	ug/l	99
25) 2-Butanone	6.984	43	126329	253.578	ug/l	96
26) 2,2-Dichloropropane	6.978	77	97409	53.975	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	68521	55.335	ug/l	99
28) Bromochloromethane	7.332	49	39437	53.109	ug/l	95
29) Tetrahydrofuran	7.344	42	76907	255.959	ug/l	96
30) Chloroform	7.509	83	106264	52.945	ug/l	98
31) Cyclohexane	7.789	56	95162	48.488	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	92601	51.018	ug/l	97
36) 1,1-Dichloropropene	7.917	75	84909	51.742	ug/l	99
37) Ethyl Acetate	7.070	43	51964	50.241	ug/l	97
38) Carbon Tetrachloride	7.899	117	89352	52.728	ug/l	99
39) Methylcyclohexane	9.185	83	101476	52.014	ug/l	94
40) Benzene	8.161	78	235678	50.772	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	23448	42.078	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	71816	51.460	ug/l	98
43) Isopropyl Acetate	8.271	43	89652	48.584	ug/l	98
44) Trichloroethene	8.941	130	60335	49.299	ug/l	94
45) 1,2-Dichloropropane	9.216	63	62423	53.210	ug/l	100
46) Dibromomethane	9.301	93	33214	49.696	ug/l	99
47) Bromodichloromethane	9.496	83	78385	49.769	ug/l	98
48) Methyl methacrylate	9.295	41	43816	51.532	ug/l	98
49) 1,4-Dioxane	9.301	88	8642	1000.237	ug/l	99
51) 4-Methyl-2-Pentanone	10.069	43	244093	243.858	ug/l	96
52) Toluene	10.246	92	140659	50.245	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	79911	48.373	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	92488	49.463	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	42436	45.593	ug/l	99
56) Ethyl methacrylate	10.508	69	58502	47.138	ug/l	94
57) 1,3-Dichloropropane	10.788	76	74545	47.022	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	153579	235.728	ug/l	98
59) 2-Hexanone	10.831	43	178886	245.897	ug/l	96
60) Dibromochloromethane	10.984	129	54498	48.101	ug/l	100
61) 1,2-Dibromoethane	11.093	107	41548	46.340	ug/l	99
64) Tetrachloroethene	10.721	164	50735	47.080	ug/l	99
65) Chlorobenzene	11.520	112	156649	50.428	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	58469	50.866	ug/l	98
67) Ethyl Benzene	11.593	91	287356	52.614	ug/l	99
68) m/p-Xylenes	11.703	106	220520	104.958	ug/l	100
69) o-Xylene	12.032	106	103980	53.027	ug/l	97
70) Styrene	12.044	104	175114	53.515	ug/l	100
71) Bromoform	12.209	173	37248	49.700	ug/l #	97
73) Isopropylbenzene	12.331	105	279907	48.530	ug/l	100
74) N-amyl acetate	12.142	43	82226	45.310	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	57403	44.274	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	39279m	40.417	ug/l	
77) Bromobenzene	12.611	156	65478	46.731	ug/l	99
78) n-propylbenzene	12.672	91	352833	49.618	ug/l	100
79) 2-Chlorotoluene	12.758	91	193655	49.000	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	236593	49.705	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	20647	44.020	ug/l	97
82) 4-Chlorotoluene	12.855	91	198695	48.568	ug/l	99
83) tert-Butylbenzene	13.075	119	204093	49.677	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	231125	49.656	ug/l	100
85) sec-Butylbenzene	13.251	105	310253	49.501	ug/l	100
86) p-Isopropyltoluene	13.373	119	257986	50.364	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	130874	48.429	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	130613	47.356	ug/l	99
89) n-Butylbenzene	13.696	91	242437	49.439	ug/l	100
90) Hexachloroethane	13.965	117	51931	48.675	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	116520	47.698	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8951	42.717	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	70580	46.925	ug/l	99
94) Hexachlorobutadiene	15.117	225	43439	47.351	ug/l	99
95) Naphthalene	15.239	128	137708	45.688	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	61561	46.020	ug/l	99

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

