

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061223\
 Data File : VY014129.D
 Acq On : 12 Jun 2023 18:39
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/13/2023
 Supervised By :Mahesh Dadoda 06/13/2023

Quant Time: Jun 13 05:45:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	180186	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	272880	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	261779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	148356	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	121850	48.563	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.120%		
35) Dibromofluoromethane	7.716	113	102264	52.844	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.680%		
50) Toluene-d8	10.179	98	355471	49.133	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.260%		
62) 4-Bromofluorobenzene	12.483	95	135118	52.574	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	105.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	84767	42.212	ug/l	93
3) Chloromethane	2.113	50	99699	39.155	ug/l	99
4) Vinyl Chloride	2.253	62	101404	40.962	ug/l	97
5) Bromomethane	2.650	94	87214	42.698	ug/l	100
6) Chloroethane	2.796	64	70644	41.995	ug/l	95
7) Trichlorofluoromethane	3.125	101	188372	46.838	ug/l	99
8) Diethyl Ether	3.534	74	62185	46.306	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	93924	46.274	ug/l	98
10) Methyl Iodide	4.095	142	105355	39.309	ug/l	96
11) Tert butyl alcohol	4.966	59	66762	228.037	ug/l #	88
12) 1,1-Dichloroethene	3.875	96	88538	43.036	ug/l	95
13) Acrolein	3.735	56	28444	243.561	ug/l	95
14) Allyl chloride	4.479	41	159174	42.683	ug/l	96
15) Acrylonitrile	5.168	53	171969	248.268	ug/l	99
16) Acetone	3.954	43	146828	194.133	ug/l	95
17) Carbon Disulfide	4.198	76	240668	36.100	ug/l	98
18) Methyl Acetate	4.479	43	134596	45.848	ug/l	98
19) Methyl tert-butyl Ether	5.222	73	303507	50.020	ug/l	99
20) Methylene Chloride	4.710	84	131399	54.760	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	102599	44.713	ug/l	98
22) Diisopropyl ether	6.119	45	362713	50.799	ug/l	98
23) Vinyl Acetate	6.064	43	1063832	252.522	ug/l	99
24) 1,1-Dichloroethane	6.015	63	200357	48.668	ug/l	97
25) 2-Butanone	6.990	43	222374	238.854	ug/l	99
26) 2,2-Dichloropropane	6.978	77	176658	45.688	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	123966	48.294	ug/l	97
28) Bromochloromethane	7.338	49	80843	48.289	ug/l	96
29) Tetrahydrofuran	7.350	42	146834	248.719	ug/l	96
30) Chloroform	7.509	83	222684	50.987	ug/l	98
31) Cyclohexane	7.789	56	143948	42.826	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	192556	48.883	ug/l	99
36) 1,1-Dichloropropene	7.917	75	146066	48.414	ug/l	100
37) Ethyl Acetate	7.076	43	107835	51.802	ug/l	100
38) Carbon Tetrachloride	7.899	117	177517	50.988	ug/l	98
39) Methylcyclohexane	9.185	83	157444	47.035	ug/l	99
40) Benzene	8.161	78	445073	49.610	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	59487	55.993	ug/l	88
42) 1,2-Dichloroethane	8.240	62	163329	51.483	ug/l	99
43) Isopropyl Acetate	8.271	43	189822	52.027	ug/l	99
44) Trichloroethene	8.941	130	118339	49.371	ug/l	95
45) 1,2-Dichloropropane	9.216	63	117723	51.662	ug/l	100
46) Dibromomethane	9.307	93	73809	52.620	ug/l	100
47) Bromodichloromethane	9.496	83	177713	54.110	ug/l	100
48) Methyl methacrylate	9.295	41	91505	53.772	ug/l	99
49) 1,4-Dioxane	9.319	88	20479	1149.005	ug/l #	42
51) 4-Methyl-2-Pentanone	10.069	43	555424	280.205	ug/l	100
52) Toluene	10.246	92	287815	51.753	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	180341	52.160	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	195421	51.805	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	99171	53.304	ug/l	98
56) Ethyl methacrylate	10.508	69	137932	53.750	ug/l	98
57) 1,3-Dichloropropane	10.788	76	166120	52.207	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	314931	271.824	ug/l	98
59) 2-Hexanone	10.831	43	388749	271.536	ug/l	99
60) Dibromochloromethane	10.984	129	129214	54.263	ug/l	99
61) 1,2-Dibromoethane	11.087	107	97745	53.234	ug/l	99
64) Tetrachloroethene	10.721	164	109288	48.979	ug/l	96
65) Chlorobenzene	11.514	112	314363	49.977	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	128030	51.749	ug/l	99
67) Ethyl Benzene	11.593	91	553935	50.311	ug/l	99
68) m/p-Xylenes	11.703	106	433193	102.289	ug/l	99
69) o-Xylene	12.026	106	207609	51.851	ug/l	99
70) Styrene	12.044	104	361582	52.912	ug/l	99
71) Bromoform	12.209	173	92521	54.605	ug/l #	98
73) Isopropylbenzene	12.331	105	544360	48.099	ug/l	100
74) N-amyl acetate	12.142	43	178875	49.875	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	128181	50.687	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	94804m	48.707	ug/l	
77) Bromobenzene	12.605	156	142231	47.815	ug/l	98
78) n-propylbenzene	12.672	91	673804	48.744	ug/l	99
79) 2-Chlorotoluene	12.758	91	382052	48.033	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	470279	48.529	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	44787	49.739	ug/l	98
82) 4-Chlorotoluene	12.855	91	410174	48.663	ug/l	99
83) tert-Butylbenzene	13.075	119	405315	49.218	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	473078	49.317	ug/l	100
85) sec-Butylbenzene	13.251	105	586343	48.974	ug/l	100
86) p-Isopropyltoluene	13.367	119	496861	48.490	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	275569	48.521	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	275095	48.075	ug/l	100
89) n-Butylbenzene	13.696	91	463690	48.790	ug/l	99
90) Hexachloroethane	13.959	117	99478	48.721	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	252272	49.457	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	23870	49.566	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	159174	49.260	ug/l	98
94) Hexachlorobutadiene	15.111	225	94905	50.873	ug/l	97
95) Naphthalene	15.233	128	332582	50.708	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	144802	49.592	ug/l	100

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

