

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061323\
 Data File : VY014131.D
 Acq On : 13 Jun 2023 10:56
 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 06/14/2023
 Supervised By :Mahesh Dadoda 06/14/2023

Quant Time: Jun 14 01:31:26 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	7.783	168	194679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	296986	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	280237	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	151099	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128455	47.384	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.760%		
35) Dibromofluoromethane	7.710	113	113022	53.663	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	107.320%		
50) Toluene-d8	10.179	98	385082	48.905	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.820%		
62) 4-Bromofluorobenzene	12.477	95	147475	52.724	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	105.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	107371	49.488	ug/l	96
3) Chloromethane	2.113	50	122814	44.642	ug/l	98
4) Vinyl Chloride	2.253	62	127227	47.567	ug/l	98
5) Bromomethane	2.650	94	96906	43.911	ug/l	97
6) Chloroethane	2.796	64	84797	46.656	ug/l	97
7) Trichlorofluoromethane	3.125	101	224892	51.756	ug/l	98
8) Diethyl Ether	3.528	74	73048	50.346	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	120630	55.007	ug/l	99
10) Methyl Iodide	4.088	142	149031	51.465	ug/l	98
11) Tert butyl alcohol	4.960	59	73276	232.008	ug/l #	88
12) 1,1-Dichloroethene	3.875	96	111052	49.961	ug/l	91
13) Acrolein	3.729	56	30316	240.058	ug/l	98
14) Allyl chloride	4.472	41	204176	50.674	ug/l	97
15) Acrylonitrile	5.155	53	184072	245.957	ug/l	98
16) Acetone	3.948	43	229193	280.475	ug/l	99
17) Carbon Disulfide	4.192	76	302866	42.048	ug/l	99
18) Methyl Acetate	4.472	43	152911	48.209	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	343706	52.428	ug/l	100
20) Methylene Chloride	4.710	84	140277	54.062	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	122388	49.366	ug/l	98
22) Diisopropyl ether	6.112	45	421202	54.599	ug/l	96
23) Vinyl Acetate	6.058	43	1197029	262.986	ug/l	99
24) 1,1-Dichloroethane	6.009	63	234276	52.671	ug/l	100
25) 2-Butanone	6.978	43	266800	265.238	ug/l	100
26) 2,2-Dichloropropane	6.972	77	227995	54.575	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	146744	52.912	ug/l	99
28) Bromochloromethane	7.326	49	82602	45.666	ug/l	96
29) Tetrahydrofuran	7.344	42	156152	244.812	ug/l	98
30) Chloroform	7.502	83	257606	54.591	ug/l	97
31) Cyclohexane	7.783	56	174946	48.174	ug/l	97
32) 1,1,1-Trichloroethane	7.697	97	231605	54.419	ug/l	99
36) 1,1-Dichloropropene	7.911	75	174675	53.197	ug/l	99
37) Ethyl Acetate	7.070	43	114365	50.479	ug/l	99
38) Carbon Tetrachloride	7.899	117	213159	56.255	ug/l	99
39) Methylcyclohexane	9.179	83	190503	52.291	ug/l	97
40) Benzene	8.155	78	515754	52.823	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	62805	54.318	ug/l	88
42) 1,2-Dichloroethane	8.234	62	185149	53.623	ug/l	99
43) Isopropyl Acetate	8.264	43	203761	51.314	ug/l	98
44) Trichloroethene	8.935	130	138988	53.279	ug/l	99
45) 1,2-Dichloropropane	9.216	63	133415	53.796	ug/l	97
46) Dibromomethane	9.301	93	79957	52.376	ug/l	99
47) Bromodichloromethane	9.496	83	198808	55.619	ug/l	99
48) Methyl methacrylate	9.289	41	95763	51.706	ug/l	97
49) 1,4-Dioxane	9.307	88	19992	1030.636	ug/l #	48
51) 4-Methyl-2-Pentanone	10.069	43	573001	265.608	ug/l	100
52) Toluene	10.240	92	330877	54.666	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	206859	54.974	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	224941	54.790	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	111278	54.957	ug/l	96
56) Ethyl methacrylate	10.508	69	149301	53.458	ug/l	99
57) 1,3-Dichloropropane	10.788	76	186099	53.738	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	311449	249.612	ug/l	98
59) 2-Hexanone	10.831	43	414238	265.854	ug/l	100
60) Dibromochloromethane	10.983	129	144291	55.677	ug/l	99
61) 1,2-Dibromoethane	11.087	107	107238	53.663	ug/l	98
64) Tetrachloroethene	10.715	164	125322	52.466	ug/l	95
65) Chlorobenzene	11.514	112	362005	53.761	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	145729	55.023	ug/l	99
67) Ethyl Benzene	11.593	91	651434	55.269	ug/l	99
68) m/p-Xylenes	11.703	106	504173	111.209	ug/l	99
69) o-Xylene	12.026	106	238853	55.726	ug/l	98
70) Styrene	12.044	104	417067	57.012	ug/l	99
71) Bromoform	12.203	173	99212	54.698	ug/l #	99
73) Isopropylbenzene	12.331	105	639019	55.438	ug/l	100
74) N-amyl acetate	12.142	43	194501	53.248	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	132185	51.321	ug/l	100
76) 1,2,3-Trichloropropane	12.630	75	98165m	49.519	ug/l	
77) Bromobenzene	12.605	156	161796	53.405	ug/l	96
78) n-propylbenzene	12.672	91	778615	55.303	ug/l	99
79) 2-Chlorotoluene	12.758	91	440663	54.396	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	545948	55.315	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	47172	51.437	ug/l	97
82) 4-Chlorotoluene	12.855	91	465798	54.259	ug/l	99
83) tert-Butylbenzene	13.075	119	470504	56.097	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	549563	56.251	ug/l	100
85) sec-Butylbenzene	13.251	105	682946	56.007	ug/l	100
86) p-Isopropyltoluene	13.367	119	587781	56.322	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	315252	54.501	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	313536	53.798	ug/l	99
89) n-Butylbenzene	13.696	91	545912	56.399	ug/l	99
90) Hexachloroethane	13.959	117	113684	54.668	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	283627	54.594	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	23773	48.469	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	182521	55.460	ug/l	98
94) Hexachlorobutadiene	15.111	225	109085	57.412	ug/l	98
95) Naphthalene	15.239	128	359383	53.799	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	162909	54.780	ug/l	99

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

