

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063023\
 Data File : VY014529.D
 Acq On : 30 Jun 2023 20:37
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 07/03/2023
 Supervised By :Mahesh Dadoda 07/03/2023

Quant Time: Jun 30 23:22:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	419049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	636857	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	598551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	315262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	215311	51.650	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.300%			
35) Dibromofluoromethane	7.716	113	203703	51.941	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.880%			
50) Toluene-d8	10.179	98	792136	51.095	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.180%			
62) 4-Bromofluorobenzene	12.477	95	280678	52.138	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.280%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	148230	49.322	ug/l	96
3) Chloromethane	2.113	50	229533	47.295	ug/l	97
4) Vinyl Chloride	2.247	62	269089	48.103	ug/l	97
5) Bromomethane	2.637	94	208334	48.028	ug/l	98
6) Chloroethane	2.784	64	176793	49.083	ug/l	97
7) Trichlorofluoromethane	3.119	101	322273	47.435	ug/l	99
8) Diethyl Ether	3.527	74	131679	51.187	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.899	101	191127	47.108	ug/l	97
10) Methyl Iodide	4.082	142	234757	50.705	ug/l	92
11) Tert butyl alcohol	4.954	59	178262	246.534	ug/l #	82
12) 1,1-Dichloroethene	3.869	96	195265	49.680	ug/l	88
13) Acrolein	3.723	56	135881	245.743	ug/l	100
14) Allyl chloride	4.472	41	301138	50.832	ug/l	87
15) Acrylonitrile	5.161	53	387327	262.277	ug/l	98
16) Acetone	3.948	43	298855	229.566	ug/l	89
17) Carbon Disulfide	4.192	76	596597	49.809	ug/l	99
18) Methyl Acetate	4.472	43	310659	52.422	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	605076	53.564	ug/l	99
20) Methylene Chloride	4.710	84	248825	53.277	ug/l	86
21) trans-1,2-Dichloroethene	5.216	96	225550	50.697	ug/l	94
22) Diisopropyl ether	6.118	45	648122	53.094	ug/l #	87
23) Vinyl Acetate	6.057	43	1889167	267.492	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	390678	50.980	ug/l	98
25) 2-Butanone	6.984	43	485217	251.721	ug/l	91
26) 2,2-Dichloropropane	6.978	77	302422	46.300	ug/l	94
27) cis-1,2-Dichloroethene	6.984	96	262850	52.082	ug/l	89
28) Bromochloromethane	7.332	49	167562	52.073	ug/l #	83
29) Tetrahydrofuran	7.344	42	331444	266.576	ug/l #	85
30) Chloroform	7.502	83	405150	50.682	ug/l	97
31) Cyclohexane	7.783	56	312202	47.737	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	338926	49.601	ug/l	97
36) 1,1-Dichloropropene	7.917	75	298135	49.641	ug/l	98
37) Ethyl Acetate	7.076	43	208943	50.729	ug/l #	91
38) Carbon Tetrachloride	7.899	117	301938	48.159	ug/l	99
39) Methylcyclohexane	9.185	83	355834	49.568	ug/l	94
40) Benzene	8.161	78	907893	49.939	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	103947m	51.659	ug/l	
42) 1,2-Dichloroethane	8.234	62	267234	50.010	ug/l	93
43) Isopropyl Acetate	8.270	43	361563	51.800	ug/l #	92
44) Trichloroethene	8.941	130	250032	49.332	ug/l	96
45) 1,2-Dichloropropane	9.215	63	234681	50.319	ug/l	96
46) Dibromomethane	9.307	93	143520	50.548	ug/l	94
47) Bromodichloromethane	9.496	83	313670	50.140	ug/l	99
48) Methyl methacrylate	9.289	41	168227	52.999	ug/l #	78
49) 1,4-Dioxane	9.295	88	54578	1076.484	ug/l #	64
51) 4-Methyl-2-Pentanone	10.069	43	1069502	258.812	ug/l	88
52) Toluene	10.240	92	574294	50.199	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	343305	51.317	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	378279	50.680	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	211379	51.164	ug/l	98
56) Ethyl methacrylate	10.508	69	305483	54.357	ug/l #	78
57) 1,3-Dichloropropane	10.788	76	346627	51.493	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	740336	271.924	ug/l	96
59) 2-Hexanone	10.831	43	777353	260.416	ug/l	85
60) Dibromochloromethane	10.983	129	247092	51.042	ug/l	100
61) 1,2-Dibromoethane	11.087	107	206553	51.211	ug/l	99
64) Tetrachloroethene	10.715	164	266115	49.735	ug/l	95
65) Chlorobenzene	11.514	112	626406	49.108	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	241708	49.856	ug/l	99
67) Ethyl Benzene	11.593	91	1095385	50.357	ug/l	97
68) m/p-Xylenes	11.697	106	866113	100.379	ug/l	94
69) o-Xylene	12.026	106	415268	50.743	ug/l	95
70) Styrene	12.044	104	720209	51.151	ug/l	96
71) Bromoform	12.203	173	186590	50.660	ug/l	99
73) Isopropylbenzene	12.325	105	1066308	51.644	ug/l	99
74) N-amyl acetate	12.142	43	320368	51.410	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	270823	51.113	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	193963m	52.430	ug/l	
77) Bromobenzene	12.605	156	290786	51.563	ug/l	95
78) n-propylbenzene	12.666	91	1285402	51.036	ug/l	98
79) 2-Chlorotoluene	12.751	91	741122	51.131	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	902204	51.615	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.373	75	95412	50.199	ug/l #	85
82) 4-Chlorotoluene	12.855	91	764499	50.345	ug/l	98
83) tert-Butylbenzene	13.074	119	789131	51.370	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	902492	51.742	ug/l	97
85) sec-Butylbenzene	13.251	105	1156657	51.025	ug/l	100
86) p-Isopropyltoluene	13.367	119	983549	51.557	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	544717	49.402	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	544513	49.276	ug/l	99
89) n-Butylbenzene	13.696	91	893102	50.658	ug/l	97
90) Hexachloroethane	13.958	117	186858	49.449	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	507459	50.809	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	49150	50.667	ug/l	84
93) 1,2,4-Trichlorobenzene	15.001	180	330698	51.263	ug/l	99
94) Hexachlorobutadiene	15.111	225	191818	48.380	ug/l	97
95) Naphthalene	15.233	128	734586	53.522	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	301601	51.312	ug/l	99

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

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