

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070523\
 Data File : VY014574.D
 Acq On : 05 Jul 2023 21:28
 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 : John Carlone 07/06/2023
 Supervised By : Mahesh Dadoda 07/06/2023

Quant Time: Jul 06 01:39:26 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	7.783	168	293096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	408695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	380324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	226892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128283	43.998	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.000%		
35) Dibromofluoromethane	7.716	113	128390	51.014	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.020%		
50) Toluene-d8	10.179	98	495810	49.835	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.660%		
62) 4-Bromofluorobenzene	12.477	95	173094	50.103	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	100282	47.540	ug/l	98
3) Chloromethane	2.107	50	176927	52.122	ug/l	97
4) Vinyl Chloride	2.247	62	211926	54.164	ug/l	99
5) Bromomethane	2.637	94	172739	56.936	ug/l	98
6) Chloroethane	2.784	64	139690	55.448	ug/l	98
7) Trichlorofluoromethane	3.113	101	242237	50.976	ug/l	99
8) Diethyl Ether	3.527	74	94241	52.377	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.887	101	136355	48.051	ug/l	95
10) Methyl Iodide	4.082	142	146239	45.160	ug/l	91
11) Tert butyl alcohol	4.948	59	112356	220.094	ug/l #	85
12) 1,1-Dichloroethene	3.863	96	132001	48.016	ug/l	85
13) Acrolein	3.722	56	71020	183.512	ug/l	98
14) Allyl chloride	4.472	41	177100	42.741	ug/l #	87
15) Acrylonitrile	5.155	53	206625	200.041	ug/l	98
16) Acetone	3.942	43	179763	197.425	ug/l #	86
17) Carbon Disulfide	4.186	76	380544	45.424	ug/l	97
18) Methyl Acetate	4.472	43	189989	45.837	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	352252	44.583	ug/l	100
20) Methylene Chloride	4.710	84	169057	51.588	ug/l #	84
21) trans-1,2-Dichloroethene	5.210	96	138032	44.358	ug/l	89
22) Diisopropyl ether	6.112	45	369763	43.308	ug/l #	88
23) Vinyl Acetate	6.051	43	1047780	212.112	ug/l #	90
24) 1,1-Dichloroethane	6.009	63	233608	43.584	ug/l	97
25) 2-Butanone	6.978	43	278957	206.908	ug/l	92
26) 2,2-Dichloropropane	6.978	77	174110	38.110	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	164782	46.682	ug/l	87
28) Bromochloromethane	7.325	49	101154	44.944	ug/l #	72
29) Tetrahydrofuran	7.344	42	193741	222.786	ug/l #	86
30) Chloroform	7.502	83	291136	52.070	ug/l	99
31) Cyclohexane	7.783	56	171162	37.418	ug/l #	86
32) 1,1,1-Trichloroethane	7.697	97	214310	44.842	ug/l	96
36) 1,1-Dichloropropene	7.917	75	182858	47.444	ug/l	97
37) Ethyl Acetate	7.069	43	115736	43.787	ug/l #	91
38) Carbon Tetrachloride	7.899	117	198824	49.417	ug/l	97
39) Methylcyclohexane	9.179	83	208707	45.303	ug/l	92
40) Benzene	8.155	78	528148	45.270	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	52496m	40.654	ug/l	
42) 1,2-Dichloroethane	8.234	62	167637	48.886	ug/l	93
43) Isopropyl Acetate	8.270	43	210030	46.889	ug/l #	90
44) Trichloroethene	8.935	130	164084	50.448	ug/l	93
45) 1,2-Dichloropropane	9.215	63	130193	43.500	ug/l	99
46) Dibromomethane	9.301	93	85448	46.896	ug/l #	88
47) Bromodichloromethane	9.496	83	185883	46.301	ug/l	94
48) Methyl methacrylate	9.289	41	87742	43.075	ug/l #	80
49) 1,4-Dioxane	9.295	88	29334	901.579	ug/l #	58
51) 4-Methyl-2-Pentanone	10.069	43	620064	233.820	ug/l	88
52) Toluene	10.240	92	350132	47.690	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	214326	49.923	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	224536	46.876	ug/l #	84
55) 1,1,2-Trichloroethane	10.642	97	124787	47.067	ug/l	96
56) Ethyl methacrylate	10.508	69	173424	48.086	ug/l #	80
57) 1,3-Dichloropropane	10.788	76	196828	45.563	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	470571	269.331	ug/l	91
59) 2-Hexanone	10.831	43	550336	287.289	ug/l	87
60) Dibromochloromethane	10.983	129	169114	54.436	ug/l	99
61) 1,2-Dibromoethane	11.087	107	135349	52.291	ug/l	100
64) Tetrachloroethene	10.715	164	173277	50.966	ug/l	96
65) Chlorobenzene	11.514	112	383820	47.356	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	154083	50.018	ug/l	99
67) Ethyl Benzene	11.593	91	632390	45.754	ug/l	95
68) m/p-Xylenes	11.703	106	513138	93.595	ug/l	92
69) o-Xylene	12.026	106	256845	49.393	ug/l	94
70) Styrene	12.044	104	441301	49.327	ug/l	96
71) Bromoform	12.203	173	133112	56.877	ug/l	100
73) Isopropylbenzene	12.325	105	724008	48.723	ug/l	99
74) N-amyl acetate	12.142	43	222450	49.601	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	159078	41.716	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	116329m	43.692	ug/l	
77) Bromobenzene	12.605	156	187642	46.233	ug/l	87
78) n-propylbenzene	12.672	91	795685	43.896	ug/l	97
79) 2-Chlorotoluene	12.751	91	449567	43.096	ug/l	93
80) 1,3,5-Trimethylbenzene	12.812	105	565170	44.927	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.373	75	53723	39.274	ug/l #	86
82) 4-Chlorotoluene	12.855	91	465221	42.569	ug/l	94
83) tert-Butylbenzene	13.074	119	500869	45.304	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	625691	49.844	ug/l	98
85) sec-Butylbenzene	13.251	105	741094	45.426	ug/l	98
86) p-Isopropyltoluene	13.367	119	626120	45.604	ug/l	96
87) 1,3-Dichlorobenzene	13.361	146	359942	45.358	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	369326	46.440	ug/l	99
89) n-Butylbenzene	13.696	91	527370	41.564	ug/l	96
90) Hexachloroethane	13.958	117	119636	43.990	ug/l	79
91) 1,2-Dichlorobenzene	13.739	146	325359	45.264	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	28636	41.017	ug/l	70
93) 1,2,4-Trichlorobenzene	15.001	180	221438	47.696	ug/l	98
94) Hexachlorobutadiene	15.111	225	138897	48.677	ug/l	100
95) Naphthalene	15.233	128	463437	46.918	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	198742	46.981	ug/l	98

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

