

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070523\
 Data File : VY014553.D
 Acq On : 05 Jul 2023 12:24
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 05 14:53:21 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

Manual Integrations APPROVED

Reviewed By : John Carlone 07/06/2023
 Supervised By : Mahesh Dadoda 07/06/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	267420	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	381918	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	359766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	195040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	131401	49.394	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.780%		
35) Dibromofluoromethane	7.710	113	122561	52.112	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.220%		
50) Toluene-d8	10.179	98	474847	51.074	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.140%		
62) 4-Bromofluorobenzene	12.477	95	165300	51.202	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	102.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	96358	50.337	ug/l	97
3) Chloromethane	2.107	50	154625	49.926	ug/l	97
4) Vinyl Chloride	2.241	62	179747	50.351	ug/l	99
5) Bromomethane	2.638	94	146323	52.859	ug/l	97
6) Chloroethane	2.778	64	117885	51.286	ug/l	97
7) Trichlorofluoromethane	3.113	101	212575	49.029	ug/l	100
8) Diethyl Ether	3.522	74	80607	49.101	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.887	101	131584	50.821	ug/l	97
10) Methyl Iodide	4.082	142	133294	45.114	ug/l	91
11) Tert butyl alcohol	4.960	59	104874	225.644	ug/l #	83
12) 1,1-Dichloroethene	3.863	96	123038	49.053	ug/l	90
13) Acrolein	3.723	56	95675	271.190	ug/l	99
14) Allyl chloride	4.473	41	188016	49.732	ug/l	88
15) Acrylonitrile	5.155	53	240989	255.712	ug/l	98
16) Acetone	3.942	43	194380	233.975	ug/l #	86
17) Carbon Disulfide	4.180	76	372656	48.753	ug/l	99
18) Methyl Acetate	4.466	43	189118	50.007	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	368736	51.150	ug/l	98
20) Methylene Chloride	4.704	84	157218	52.693	ug/l	88
21) trans-1,2-Dichloroethene	5.210	96	143595	50.576	ug/l	96
22) Diisopropyl ether	6.112	45	399588	51.295	ug/l	91
23) Vinyl Acetate	6.052	43	1170127	259.624	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	243551	49.802	ug/l	98
25) 2-Butanone	6.978	43	295664	240.355	ug/l	93
26) 2,2-Dichloropropane	6.972	77	189226	45.396	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	154549	47.987	ug/l	94
28) Bromochloromethane	7.326	49	98802	48.114	ug/l	90
29) Tetrahydrofuran	7.344	42	201310	253.716	ug/l	89
30) Chloroform	7.502	83	250184	49.042	ug/l	96
31) Cyclohexane	7.777	56	197110	47.228	ug/l	94
32) 1,1,1-Trichloroethane	7.691	97	208108	47.725	ug/l	99
36) 1,1-Dichloropropene	7.911	75	186351	51.740	ug/l	98
37) Ethyl Acetate	7.070	43	129763	52.535	ug/l #	93
38) Carbon Tetrachloride	7.893	117	191214	50.857	ug/l	99
39) Methylcyclohexane	9.179	83	226315	52.570	ug/l	92
40) Benzene	8.155	78	545990	50.080	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	62413m	51.722	ug/l	
42) 1,2-Dichloroethane	8.234	62	168217	52.494	ug/l	95
43) Isopropyl Acetate	8.271	43	217623	51.990	ug/l #	92
44) Trichloroethene	8.935	130	151474	49.836	ug/l	96
45) 1,2-Dichloropropane	9.210	63	146949	52.541	ug/l	98
46) Dibromomethane	9.301	93	90169	52.957	ug/l	97
47) Bromodichloromethane	9.490	83	195640	52.148	ug/l	97
48) Methyl methacrylate	9.289	41	103557	54.403	ug/l #	83
49) 1,4-Dioxane	9.295	88	31467	1034.945	ug/l #	47
51) 4-Methyl-2-Pentanone	10.069	43	667152	269.215	ug/l	90
52) Toluene	10.240	92	345360	50.339	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	207292	51.670	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	231629	51.747	ug/l #	88
55) 1,1,2-Trichloroethane	10.642	97	127751	51.563	ug/l	98
56) Ethyl methacrylate	10.508	69	178940	53.094	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	210501	52.145	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.776	63	443488	271.626	ug/l	98
59) 2-Hexanone	10.831	43	486039	271.514	ug/l	88
60) Dibromochloromethane	10.984	129	149613	51.536	ug/l	100
61) 1,2-Dibromoethane	11.087	107	124265	51.375	ug/l	99
64) Tetrachloroethene	10.715	164	163266	50.766	ug/l	95
65) Chlorobenzene	11.514	112	382291	49.862	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	147586	50.647	ug/l	97
67) Ethyl Benzene	11.587	91	668722	51.147	ug/l	99
68) m/p-Xylenes	11.703	106	522817	100.809	ug/l	95
69) o-Xylene	12.026	106	248939	50.609	ug/l	97
70) Styrene	12.038	104	437064	51.645	ug/l	97
71) Bromoform	12.203	173	112582	50.854	ug/l #	100
73) Isopropylbenzene	12.325	105	649527	50.849	ug/l	99
74) N-amyl acetate	12.142	43	203411	52.762	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	168734	51.475	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	118696m	51.861	ug/l	
77) Bromobenzene	12.605	156	175446	50.287	ug/l	97
78) n-propylbenzene	12.672	91	806532	51.761	ug/l	99
79) 2-Chlorotoluene	12.752	91	455049	50.745	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	556193	51.434	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	59123	50.280	ug/l	89
82) 4-Chlorotoluene	12.855	91	474908	50.552	ug/l	97
83) tert-Butylbenzene	13.075	119	478186	50.315	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	554683	51.403	ug/l	98
85) sec-Butylbenzene	13.251	105	722609	51.526	ug/l	100
86) p-Isopropyltoluene	13.367	119	609832	51.672	ug/l	97
87) 1,3-Dichlorobenzene	13.361	146	339318	49.742	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	337287	49.337	ug/l	99
89) n-Butylbenzene	13.697	91	573646	52.595	ug/l	98
90) Hexachloroethane	13.959	117	121004	51.760	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	312503	50.575	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	30844	51.395	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	208739	52.303	ug/l	99
94) Hexachlorobutadiene	15.111	225	128727	52.480	ug/l	99
95) Naphthalene	15.233	128	447705	52.727	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	191031	52.533	ug/l	98

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

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