

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071323\
 Data File : VY014623.D
 Acq On : 13 Jul 2023 10:19
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/14/2023
 Supervised By : Mahesh Dadoda 07/14/2023

Quant Time: Jul 14 02:00:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 01:52:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	344513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	563137	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	498491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	242799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	192669	49.077	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.160%		
35) Dibromofluoromethane	7.716	113	181093	50.517	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.040%		
50) Toluene-d8	10.179	98	659534	49.903	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.800%		
62) 4-Bromofluorobenzene	12.477	95	250009	49.334	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	133857	47.690	ug/l	97
3) Chloromethane	2.107	50	154316	48.910	ug/l	98
4) Vinyl Chloride	2.247	62	177828	50.431	ug/l	100
5) Bromomethane	2.637	94	115412	49.527	ug/l	99
6) Chloroethane	2.784	64	112079	50.885	ug/l	99
7) Trichlorofluoromethane	3.113	101	302192	51.027	ug/l	100
8) Diethyl Ether	3.521	74	111629	50.661	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.887	101	186776	51.455	ug/l	94
10) Methyl Iodide	4.082	142	186725	48.595	ug/l	95
11) Tert butyl alcohol	4.948	59	191375	234.316	ug/l #	88
12) 1,1-Dichloroethene	3.863	96	174018	51.294	ug/l	93
13) Acrolein	3.723	56	93848	228.714	ug/l	99
14) Allyl chloride	4.466	41	305409	50.701	ug/l	95
15) Acrylonitrile	5.155	53	308409	253.819	ug/l	98
16) Acetone	3.942	43	334202	268.639	ug/l	92
17) Carbon Disulfide	4.186	76	481310	49.554	ug/l	98
18) Methyl Acetate	4.472	43	242646	50.825	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	563237	51.109	ug/l	99
20) Methylene Chloride	4.704	84	208012	51.606	ug/l	93
21) trans-1,2-Dichloroethene	5.210	96	195129	50.682	ug/l	98
22) Diisopropyl ether	6.112	45	630123	51.452	ug/l	92
23) Vinyl Acetate	6.051	43	1888187	257.639	ug/l	96
24) 1,1-Dichloroethane	6.009	63	359763	51.340	ug/l	98
25) 2-Butanone	6.978	43	464972	255.473	ug/l	97
26) 2,2-Dichloropropane	6.978	77	339531	50.840	ug/l	100
27) cis-1,2-Dichloroethene	6.978	96	229969	51.316	ug/l	98
28) Bromochloromethane	7.326	49	144198	47.780	ug/l	97
29) Tetrahydrofuran	7.344	42	279056	249.001	ug/l	93
30) Chloroform	7.502	83	368215	50.957	ug/l	97
31) Cyclohexane	7.777	56	315325	48.385	ug/l	94
32) 1,1,1-Trichloroethane	7.697	97	330859	50.873	ug/l	99
36) 1,1-Dichloropropene	7.911	75	278296	51.912	ug/l	99
37) Ethyl Acetate	7.070	43	182134	49.346	ug/l #	94
38) Carbon Tetrachloride	7.899	117	295202	52.092	ug/l	99
39) Methylcyclohexane	9.179	83	360399	51.601	ug/l	96
40) Benzene	8.155	78	790695	51.860	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	94346m	48.336	ug/l	
42) 1,2-Dichloroethane	8.234	62	251373	52.063	ug/l	94
43) Isopropyl Acetate	8.271	43	360994	51.343	ug/l	96
44) Trichloroethene	8.935	130	220008	51.573	ug/l	98
45) 1,2-Dichloropropane	9.209	63	206916	51.972	ug/l	96
46) Dibromomethane	9.301	93	125052	51.776	ug/l	95
47) Bromodichloromethane	9.496	83	296351	52.060	ug/l	97
48) Methyl methacrylate	9.289	41	162702	51.427	ug/l	93
49) 1,4-Dioxane	9.295	88	41098	1043.552	ug/l #	55
51) 4-Methyl-2-Pentanone	10.069	43	947514	256.668	ug/l	94
52) Toluene	10.240	92	505838	51.847	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	323258	51.915	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	352370	52.039	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	174718	51.932	ug/l	96
56) Ethyl methacrylate	10.508	69	269667	52.497	ug/l	92
57) 1,3-Dichloropropane	10.788	76	302822	52.185	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	604885	252.723	ug/l	96
59) 2-Hexanone	10.831	43	698367	259.412	ug/l	92
60) Dibromochloromethane	10.983	129	215448	52.231	ug/l	99
61) 1,2-Dibromoethane	11.087	107	174730	52.061	ug/l	99
64) Tetrachloroethene	10.715	164	205186	51.179	ug/l	97
65) Chlorobenzene	11.514	112	546928	51.487	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	209033	52.190	ug/l	99
67) Ethyl Benzene	11.593	91	995879	51.924	ug/l	98
68) m/p-Xylenes	11.697	106	755304	103.166	ug/l	98
69) o-Xylene	12.026	106	369011	51.748	ug/l	98
70) Styrene	12.038	104	629233	52.355	ug/l	98
71) Bromoform	12.203	173	142545	52.506	ug/l #	98
73) Isopropylbenzene	12.325	105	972512	51.154	ug/l	99
74) N-amyl acetate	12.142	43	330344	51.882	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.581	83	219751	50.688	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	155630m	50.087	ug/l	
77) Bromobenzene	12.605	156	225703	52.010	ug/l	93
78) n-propylbenzene	12.666	91	1189972	51.944	ug/l	99
79) 2-Chlorotoluene	12.751	91	683547	51.803	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	825197	51.974	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	82533	52.111	ug/l	94
82) 4-Chlorotoluene	12.849	91	703520	51.769	ug/l	97
83) tert-Butylbenzene	13.075	119	732076	51.979	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	808749	51.904	ug/l	100
85) sec-Butylbenzene	13.251	105	1072955	51.933	ug/l	100
86) p-Isopropyltoluene	13.367	119	882628	52.324	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	439556	52.043	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	439836	51.968	ug/l	98
89) n-Butylbenzene	13.696	91	862412	52.549	ug/l	96
90) Hexachloroethane	13.959	117	180452	52.081	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	404319	52.250	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	42011	50.671	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	263079	53.557	ug/l	98
94) Hexachlorobutadiene	15.111	225	144204	53.421	ug/l	97
95) Naphthalene	15.233	128	608049	53.132	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	232131	53.172	ug/l	98

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

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