

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072823\
 Data File : VY014919.D
 Acq On : 28 Jul 2023 19:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/31/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 29 03:11:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	196596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	324911	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	297426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	154702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	111432	49.740	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.480%		
35) Dibromofluoromethane	7.710	113	99717	48.212	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.420%		
50) Toluene-d8	10.173	98	353713	46.386	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.780%		
62) 4-Bromofluorobenzene	12.477	95	132803	45.420	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	59965	37.438	ug/l	95
3) Chloromethane	2.107	50	91112	50.605	ug/l	97
4) Vinyl Chloride	2.241	62	107908	53.627	ug/l	96
5) Bromomethane	2.625	94	82898	62.340	ug/l	99
6) Chloroethane	2.778	64	72792	57.914	ug/l	97
7) Trichlorofluoromethane	3.107	101	159158	47.095	ug/l	100
8) Diethyl Ether	3.522	74	60502	48.116	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.881	101	93836	45.301	ug/l	95
10) Methyl Iodide	4.076	142	81890	37.895	ug/l	98
11) Tert butyl alcohol	4.954	59	111585	240.131	ug/l #	84
12) 1,1-Dichloroethene	3.857	96	85941	44.392	ug/l	92
13) Acrolein	3.723	56	34344	146.673	ug/l	95
14) Allyl chloride	4.466	41	141332	41.116	ug/l	97
15) Acrylonitrile	5.149	53	187775	270.811	ug/l	99
16) Acetone	3.936	43	187585	264.234	ug/l	93
17) Carbon Disulfide	4.180	76	207560	37.448	ug/l	99
18) Methyl Acetate	4.466	43	162206	59.540	ug/l	93
19) Methyl tert-butyl Ether	5.216	73	316638	50.350	ug/l	99
20) Methylene Chloride	4.704	84	125317	54.739	ug/l	92
21) trans-1,2-Dichloroethene	5.204	96	98614	44.885	ug/l	95
22) Diisopropyl ether	6.106	45	325761	46.613	ug/l	93
23) Vinyl Acetate	6.052	43	935766	223.751	ug/l #	95
24) 1,1-Dichloroethane	6.009	63	186761	46.705	ug/l	97
25) 2-Butanone	6.978	43	278856	268.490	ug/l	95
26) 2,2-Dichloropropane	6.972	77	154961	40.661	ug/l	100
27) cis-1,2-Dichloroethene	6.972	96	123746	48.389	ug/l	94
28) Bromochloromethane	7.326	49	86774	50.386	ug/l	92
29) Tetrahydrofuran	7.338	42	174347	272.619	ug/l	91
30) Chloroform	7.496	83	201501	48.866	ug/l	96
31) Cyclohexane	7.777	56	144010	38.724	ug/l	93
32) 1,1,1-Trichloroethane	7.691	97	173600	46.777	ug/l	99
36) 1,1-Dichloropropene	7.911	75	138138	44.660	ug/l	98
37) Ethyl Acetate	7.070	43	112211	52.692	ug/l #	96
38) Carbon Tetrachloride	7.893	117	153337	46.897	ug/l	99
39) Methylcyclohexane	9.179	83	169969	42.179	ug/l	93
40) Benzene	8.155	78	413253	46.977	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	60517m	55.248	ug/l	
42) 1,2-Dichloroethane	8.228	62	142585	51.184	ug/l	95
43) Isopropyl Acetate	8.265	43	205889	50.753	ug/l	97
44) Trichloroethene	8.935	130	116887	47.490	ug/l	98
45) 1,2-Dichloropropane	9.210	63	109635	47.728	ug/l	99
46) Dibromomethane	9.295	93	71837	51.551	ug/l	96
47) Bromodichloromethane	9.490	83	162589	49.504	ug/l	96
48) Methyl methacrylate	9.289	41	92723	50.797	ug/l	94
49) 1,4-Dioxane	9.295	88	27113	1193.220	ug/l #	52
51) 4-Methyl-2-Pentanone	10.063	43	592479	278.169	ug/l	94
52) Toluene	10.240	92	263581	46.825	ug/l	96
53) t-1,3-Dichloropropene	10.459	75	169060	47.058	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	182628	46.746	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	102384	52.745	ug/l	94
56) Ethyl methacrylate	10.502	69	150806	50.883	ug/l	90
57) 1,3-Dichloropropane	10.782	76	170076	50.799	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	322836	233.778	ug/l	94
59) 2-Hexanone	10.825	43	433459	279.064	ug/l	92
60) Dibromochloromethane	10.977	129	122121	51.312	ug/l	99
61) 1,2-Dibromoethane	11.081	107	99947	51.613	ug/l	98
64) Tetrachloroethene	10.715	164	129443	54.113	ug/l	97
65) Chlorobenzene	11.508	112	298546	47.104	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	116469	48.737	ug/l	98
67) Ethyl Benzene	11.587	91	524511	45.835	ug/l	98
68) m/p-Xylenes	11.697	106	402409	92.121	ug/l	96
69) o-Xylene	12.026	106	200428	47.107	ug/l	97
70) Styrene	12.038	104	343542	47.907	ug/l	97
71) Bromoform	12.203	173	82117	50.695	ug/l #	100
73) Isopropylbenzene	12.325	105	517328	42.708	ug/l	99
74) N-amyl acetate	12.136	43	183868	45.322	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.575	83	131760	47.699	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	104954m	53.717	ug/l	
77) Bromobenzene	12.605	156	127608	46.150	ug/l	97
78) n-propylbenzene	12.666	91	625352	42.842	ug/l	100
79) 2-Chlorotoluene	12.752	91	359004	42.701	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	435566	43.056	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.374	75	41067	40.696	ug/l	98
82) 4-Chlorotoluene	12.849	91	373118	43.092	ug/l	100
83) tert-Butylbenzene	13.069	119	381793	42.545	ug/l	99
84) 1,2,4-Trimethylbenzene	13.111	105	437522	44.070	ug/l	98
85) sec-Butylbenzene	13.245	105	574230	43.621	ug/l	100
86) p-Isopropyltoluene	13.361	119	480047	44.664	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	249104	46.289	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	249962	46.352	ug/l	98
89) n-Butylbenzene	13.690	91	449296	42.967	ug/l	97
90) Hexachloroethane	13.953	117	93346	42.283	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	233572	47.373	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	25582	48.426	ug/l	91
93) 1,2,4-Trichlorobenzene	15.001	180	152690	48.785	ug/l	99
94) Hexachlorobutadiene	15.105	225	78251	45.496	ug/l	99
95) Naphthalene	15.233	128	377368	51.752	ug/l	99
96) 1,2,3-Trichlorobenzene	15.416	180	139392	50.112	ug/l	99

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

