

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071323\
 Data File : VY014636.D
 Acq On : 13 Jul 2023 18:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Jul 14 04:29:43 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	298443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	499974	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	447033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	222075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	176781	51.981	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.960%			
35) Dibromofluoromethane	7.710	113	161178	50.642	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.280%			
50) Toluene-d8	10.173	98	579888	49.420	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.840%			
62) 4-Bromofluorobenzene	12.477	95	222700	49.497	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	109915	45.205	ug/l	98
3) Chloromethane	2.107	50	136118	49.802	ug/l	96
4) Vinyl Chloride	2.241	62	153062	50.108	ug/l	95
5) Bromomethane	2.631	94	104040	51.539	ug/l	100
6) Chloroethane	2.778	64	98107	51.417	ug/l	97
7) Trichlorofluoromethane	3.113	101	251357	48.995	ug/l	99
8) Diethyl Ether	3.521	74	100044	52.412	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.881	101	152564	48.518	ug/l	95
10) Methyl Iodide	4.076	142	155766	46.884	ug/l	96
11) Tert butyl alcohol	4.942	59	201103	292.297	ug/l #	86
12) 1,1-Dichloroethene	3.857	96	143571	48.852	ug/l	94
13) Acrolein	3.723	56	63234	177.894	ug/l	99
14) Allyl chloride	4.466	41	253322	48.546	ug/l	95
15) Acrylonitrile	5.149	53	309219	293.770	ug/l	99
16) Acetone	3.936	43	265306	246.179	ug/l	93
17) Carbon Disulfide	4.180	76	389421	46.283	ug/l	98
18) Methyl Acetate	4.466	43	251203	60.740	ug/l	94
19) Methyl tert-butyl Ether	5.210	73	511523	53.581	ug/l	100
20) Methylene Chloride	4.704	84	182125	52.208	ug/l	92
21) trans-1,2-Dichloroethene	5.210	96	163888	49.139	ug/l	98
22) Diisopropyl ether	6.112	45	542501	51.136	ug/l #	91
23) Vinyl Acetate	6.051	43	168913	266.180	ug/l	95
24) 1,1-Dichloroethane	6.009	63	305132	50.266	ug/l	97
25) 2-Butanone	6.978	43	446872	283.430	ug/l	95
26) 2,2-Dichloropropane	6.972	77	260516	45.030	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	197430	50.856	ug/l	96
28) Bromochloromethane	7.326	49	134118	51.300	ug/l	95
29) Tetrahydrofuran	7.338	42	292697	301.490	ug/l	93
30) Chloroform	7.496	83	317141	50.664	ug/l	97
31) Cyclohexane	7.777	56	255069	45.181	ug/l	95
32) 1,1,1-Trichloroethane	7.691	97	278972	49.517	ug/l	99
36) 1,1-Dichloropropene	7.911	75	229588	48.236	ug/l	99
37) Ethyl Acetate	7.063	43	188029	57.378	ug/l #	95
38) Carbon Tetrachloride	7.893	117	245864	48.866	ug/l	98
39) Methylcyclohexane	9.179	83	292256	47.131	ug/l	96
40) Benzene	8.155	78	675078	49.870	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	101121m	59.993	ug/l	
42) 1,2-Dichloroethane	8.228	62	221531	51.679	ug/l	94
43) Isopropyl Acetate	8.271	43	344573	55.199	ug/l	96
44) Trichloroethene	8.935	130	186649	49.281	ug/l	99
45) 1,2-Dichloropropane	9.209	63	176463	49.923	ug/l	96
46) Dibromomethane	9.301	93	111579	52.034	ug/l	96
47) Bromodichloromethane	9.490	83	255714	50.596	ug/l	98
48) Methyl methacrylate	9.289	41	155822	55.474	ug/l	92
49) 1,4-Dioxane	9.289	88	43739	1250.918	ug/l #	59
51) 4-Methyl-2-Pentanone	10.063	43	962666	293.716	ug/l	94
52) Toluene	10.240	92	428548	49.474	ug/l	95
53) t-1,3-Dichloropropene	10.459	75	279813	50.615	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	300413	49.971	ug/l	96
55) 1,1,2-Trichloroethane	10.642	97	157854	52.847	ug/l	97
56) Ethyl methacrylate	10.502	69	249545	54.717	ug/l	91
57) 1,3-Dichloropropane	10.788	76	271237	52.647	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	568244	267.408	ug/l	95
59) 2-Hexanone	10.825	43	706716	295.677	ug/l	93
60) Dibromochloromethane	10.977	129	193124	52.733	ug/l	100
61) 1,2-Dibromoethane	11.081	107	159042	53.373	ug/l	99
64) Tetrachloroethene	10.715	164	183186	50.951	ug/l	97
65) Chlorobenzene	11.514	112	469411	49.276	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	179447	49.961	ug/l	97
67) Ethyl Benzene	11.587	91	838393	48.745	ug/l	100
68) m/p-Xylenes	11.697	106	643315	97.984	ug/l	97
69) o-Xylene	12.026	106	314657	49.205	ug/l	99
70) Styrene	12.038	104	540969	50.192	ug/l	98
71) Bromoform	12.203	173	131988	54.213	ug/l #	100
73) Isopropylbenzene	12.325	105	825998	47.502	ug/l	99
74) N-amyl acetate	12.142	43	310634	53.339	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.575	83	209414	52.811	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	142420m	50.778	ug/l	
77) Bromobenzene	12.605	156	197538	49.767	ug/l	93
78) n-propylbenzene	12.666	91	993437	47.412	ug/l	99
79) 2-Chlorotoluene	12.751	91	578558	47.938	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	700475	48.236	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	75210	51.919	ug/l	94
82) 4-Chlorotoluene	12.849	91	594943	47.865	ug/l	99
83) tert-Butylbenzene	13.068	119	618860	48.041	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	693575	48.666	ug/l	99
85) sec-Butylbenzene	13.251	105	911374	48.229	ug/l	100
86) p-Isopropyltoluene	13.367	119	748338	48.503	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	382855	49.560	ug/l	98
88) 1,4-Dichlorobenzene	13.440	146	385397	49.785	ug/l	98
89) n-Butylbenzene	13.690	91	717146	47.776	ug/l	96
90) Hexachloroethane	13.959	117	153365	48.394	ug/l	89
91) 1,2-Dichlorobenzene	13.733	146	356919	50.429	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	42903	56.575	ug/l	92
93) 1,2,4-Trichlorobenzene	15.001	180	227612	50.660	ug/l	98
94) Hexachlorobutadiene	15.111	225	120515	48.811	ug/l	99
95) Naphthalene	15.233	128	580414	55.450	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	208152	52.129	ug/l	98

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

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