

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101823\
 Data File : VY016017.D
 Acq On : 18 Oct 2023 12:40
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Semsettin Yesilyurt 10/20/2023

Quant Time: Oct 19 02:56:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 19 02:50:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	216315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	350491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	321693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	164157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	112853	45.902	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.800%		
35) Dibromofluoromethane	7.722	113	106001	45.948	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.900%		
50) Toluene-d8	10.185	98	384656	45.909	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.820%		
62) 4-Bromofluorobenzene	12.483	95	138951	46.478	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	90939	50.866	ug/l	97
3) Chloromethane	2.107	50	114873	50.887	ug/l	98
4) Vinyl Chloride	2.247	62	126882	50.081	ug/l	96
5) Bromomethane	2.644	94	93069	50.359	ug/l	99
6) Chloroethane	2.790	64	84359	51.782	ug/l	98
7) Trichlorofluoromethane	3.119	101	187653	48.670	ug/l	100
8) Diethyl Ether	3.534	74	66928	49.133	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.893	101	107658	48.541	ug/l	96
10) Methyl Iodide	4.088	142	147588	50.962	ug/l	98
11) Tert butyl alcohol	4.966	59	87821	231.400	ug/l #	81
12) 1,1-Dichloroethene	3.869	96	102153	49.226	ug/l	91
13) Acrolein	3.729	56	69241	258.255	ug/l	98
14) Allyl chloride	4.479	41	160258	49.387	ug/l	95
15) Acrylonitrile	5.167	53	205456	252.825	ug/l	99
16) Acetone	3.948	43	233184	255.864	ug/l	92
17) Carbon Disulfide	4.192	76	299432	49.253	ug/l	99
18) Methyl Acetate	4.479	43	162707	51.871	ug/l	91
19) Methyl tert-butyl Ether	5.222	73	339443	50.703	ug/l	98
20) Methylene Chloride	4.716	84	121041	44.707	ug/l	89
21) trans-1,2-Dichloroethene	5.222	96	119817	49.581	ug/l	94
22) Diisopropyl ether	6.125	45	361467	51.158	ug/l #	90
23) Vinyl Acetate	6.064	43	1127374	257.219	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	207047	49.394	ug/l	97
25) 2-Butanone	6.990	43	316320	253.396	ug/l	94
26) 2,2-Dichloropropane	6.978	77	181567	48.142	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	138236	49.669	ug/l	93
28) Bromochloromethane	7.338	49	94652	52.798	ug/l	90
29) Tetrahydrofuran	7.350	42	196746	260.381	ug/l	90
30) Chloroform	7.508	83	223253	49.673	ug/l	97
31) Cyclohexane	7.789	56	182803	47.504	ug/l	88
32) 1,1,1-Trichloroethane	7.704	97	200469	49.851	ug/l	98
36) 1,1-Dichloropropene	7.923	75	170279	49.060	ug/l	99
37) Ethyl Acetate	7.076	43	124386	49.717	ug/l #	94
38) Carbon Tetrachloride	7.905	117	179729	48.720	ug/l	98
39) Methylcyclohexane	9.185	83	212857	49.073	ug/l	94
40) Benzene	8.161	78	481704	49.243	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	68341m	54.252	ug/l	
42) 1,2-Dichloroethane	8.240	62	155490	49.345	ug/l	94
43) Isopropyl Acetate	8.277	43	223625	51.124	ug/l	95
44) Trichloroethene	8.941	130	132996	48.489	ug/l	96
45) 1,2-Dichloropropane	9.216	63	119996	49.015	ug/l	97
46) Dibromomethane	9.307	93	81344	50.049	ug/l	97
47) Bromodichloromethane	9.496	83	176975	49.682	ug/l	98
48) Methyl methacrylate	9.295	41	102853	51.657	ug/l	88
49) 1,4-Dioxane	9.307	88	28578	1104.262	ug/l #	67
51) 4-Methyl-2-Pentanone	10.069	43	647186	257.290	ug/l	91
52) Toluene	10.246	92	318837	50.251	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	195481	50.658	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	210580	50.062	ug/l	91
55) 1,1,2-Trichloroethane	10.648	97	111898	50.114	ug/l	96
56) Ethyl methacrylate	10.514	69	170494	52.248	ug/l #	86
57) 1,3-Dichloropropane	10.788	76	190395	50.264	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	401675	256.273	ug/l	94
59) 2-Hexanone	10.831	43	495939	259.143	ug/l	90
60) Dibromochloromethane	10.983	129	134949	49.974	ug/l	98
61) 1,2-Dibromoethane	11.093	107	114295	50.298	ug/l	99
64) Tetrachloroethene	10.721	164	120768	48.414	ug/l	98
65) Chlorobenzene	11.520	112	344249	49.412	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	128758	49.033	ug/l	98
67) Ethyl Benzene	11.593	91	613647	49.776	ug/l	99
68) m/p-Xylenes	11.703	106	479754	99.797	ug/l	95
69) o-Xylene	12.032	106	228375	49.936	ug/l	97
70) Styrene	12.044	104	389865	50.017	ug/l	96
71) Bromoform	12.209	173	94308	51.039	ug/l #	99
73) Isopropylbenzene	12.331	105	604450	49.224	ug/l	99
74) N-amyl acetate	12.142	43	198279	51.122	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	151523	49.267	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	116520m	50.320	ug/l	
77) Bromobenzene	12.611	156	146298	49.085	ug/l	98
78) n-propylbenzene	12.672	91	730253	49.373	ug/l	99
79) 2-Chlorotoluene	12.758	91	409249	49.296	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	504597	49.611	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	53722	50.454	ug/l	93
82) 4-Chlorotoluene	12.855	91	431415	49.792	ug/l	100
83) tert-Butylbenzene	13.075	119	444253	49.812	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	506521	50.150	ug/l	98
85) sec-Butylbenzene	13.251	105	664679	49.900	ug/l	100
86) p-Isopropyltoluene	13.367	119	559662	50.278	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	286721	49.443	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	286732	49.109	ug/l	99
89) n-Butylbenzene	13.696	91	519096	50.093	ug/l	97
90) Hexachloroethane	13.959	117	104815	49.395	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	263325	49.457	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	28267	48.283	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	169160	49.872	ug/l	99
94) Hexachlorobutadiene	15.111	225	89698	48.688	ug/l	99
95) Naphthalene	15.233	128	422155	50.709	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	155452	50.175	ug/l	99

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

