

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071023\
 Data File : VY014608.D
 Acq On : 10 Jul 2023 10:01
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/11/2023
 Supervised By : Mahesh Dadoda 07/11/2023

Quant Time: Jul 11 03:12:54 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

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	328294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	465408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	432392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	234753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	163294	50.001	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.000%			
35) Dibromofluoromethane	7.716	113	160416	55.972	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.940%			
50) Toluene-d8	10.179	98	610594	53.893	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.780%			
62) 4-Bromofluorobenzene	12.483	95	211039	53.643	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.280%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	124805	53.389	ug/l	98
3) Chloromethane	2.113	50	192326	50.584	ug/l	97
4) Vinyl Chloride	2.247	62	230414	52.576	ug/l	99
5) Bromomethane	2.637	94	167693	49.346	ug/l	97
6) Chloroethane	2.784	64	146455	51.900	ug/l	96
7) Trichlorofluoromethane	3.119	101	269616	50.655	ug/l	100
8) Diethyl Ether	3.527	74	97322	48.290	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.893	101	164165	51.648	ug/l	98
10) Methyl Iodide	4.088	142	193592	53.373	ug/l	91
11) Tert butyl alcohol	4.948	59	119439	207.818	ug/l #	82
12) 1,1-Dichloroethene	3.869	96	156459	50.811	ug/l	87
13) Acrolein	3.723	56	104236	240.616	ug/l	99
14) Allyl chloride	4.472	41	217990	46.969	ug/l #	87
15) Acrylonitrile	5.155	53	268422	232.008	ug/l	99
16) Acetone	3.942	43	344695	337.974	ug/l #	88
17) Carbon Disulfide	4.186	76	455263	48.517	ug/l	97
18) Methyl Acetate	4.472	43	205353	44.232	ug/l #	90
19) Methyl tert-butyl Ether	5.216	73	428787	48.451	ug/l	100
20) Methylene Chloride	4.710	84	175932	47.520	ug/l	86
21) trans-1,2-Dichloroethene	5.210	96	166749	47.841	ug/l	93
22) Diisopropyl ether	6.112	45	463968	48.515	ug/l	92
23) Vinyl Acetate	6.051	43	1390220	251.261	ug/l #	93
24) 1,1-Dichloroethane	6.009	63	285058	47.481	ug/l	97
25) 2-Butanone	6.978	43	396451	262.528	ug/l	93
26) 2,2-Dichloropropane	6.978	77	253815	49.600	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	190033	48.063	ug/l	92
28) Bromochloromethane	7.326	49	127364	50.522	ug/l	85
29) Tetrahydrofuran	7.344	42	235270	241.535	ug/l #	87
30) Chloroform	7.502	83	301287	48.108	ug/l	96
31) Cyclohexane	7.783	56	235272	45.919	ug/l	92
32) 1,1,1-Trichloroethane	7.697	97	257856	48.169	ug/l	97
36) 1,1-Dichloropropene	7.917	75	225764	51.438	ug/l	97
37) Ethyl Acetate	7.070	43	149447	49.651	ug/l #	93
38) Carbon Tetrachloride	7.899	117	240290	52.445	ug/l	99
39) Methylcyclohexane	9.185	83	278971	53.176	ug/l	93
40) Benzene	8.161	78	660300	49.700	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	80733m	54.902	ug/l	
42) 1,2-Dichloroethane	8.234	62	198634	50.866	ug/l	94
43) Isopropyl Acetate	8.271	43	258231	50.624	ug/l #	91
44) Trichloroethene	8.941	130	188696	50.945	ug/l	94
45) 1,2-Dichloropropane	9.216	63	174505	51.200	ug/l	97
46) Dibromomethane	9.307	93	108159	52.127	ug/l	94
47) Bromodichloromethane	9.496	83	236889	51.816	ug/l	98
48) Methyl methacrylate	9.289	41	119719	51.611	ug/l #	80
49) 1,4-Dioxane	9.295	88	35797	966.150	ug/l #	64
51) 4-Methyl-2-Pentanone	10.069	43	769827	254.920	ug/l	89
52) Toluene	10.240	92	421474	50.412	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	252750	51.699	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	281689	51.642	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	155754	51.588	ug/l	98
56) Ethyl methacrylate	10.508	69	215643	52.506	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	251062	51.035	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	541720	272.271	ug/l	96
59) 2-Hexanone	10.831	43	595289	272.888	ug/l	87
60) Dibromochloromethane	10.983	129	186958	52.847	ug/l	100
61) 1,2-Dibromoethane	11.087	107	152952	51.891	ug/l	100
64) Tetrachloroethene	10.721	164	195637	50.614	ug/l	95
65) Chlorobenzene	11.514	112	469374	50.938	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	182231	52.032	ug/l	97
67) Ethyl Benzene	11.593	91	808872	51.475	ug/l	98
68) m/p-Xylenes	11.703	106	646097	103.655	ug/l	94
69) o-Xylene	12.032	106	304495	51.506	ug/l	96
70) Styrene	12.044	104	532027	52.307	ug/l	96
71) Bromoform	12.209	173	141680	53.248	ug/l #	99
73) Isopropylbenzene	12.331	105	801969	52.162	ug/l	99
74) N-amyl acetate	12.142	43	237056	51.087	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	202347	51.286	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	153505m	55.724	ug/l	
77) Bromobenzene	12.611	156	213981	50.957	ug/l	95
78) n-propylbenzene	12.672	91	980560	52.284	ug/l	98
79) 2-Chlorotoluene	12.758	91	555644	51.481	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	681442	52.356	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.380	75	72842	51.468	ug/l	88
82) 4-Chlorotoluene	12.855	91	582992	51.559	ug/l	96
83) tert-Butylbenzene	13.075	119	584838	51.127	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	676277	52.069	ug/l	97
85) sec-Butylbenzene	13.251	105	889596	52.702	ug/l	99
86) p-Isopropyltoluene	13.373	119	749521	52.764	ug/l	96
87) 1,3-Dichlorobenzene	13.367	146	421963	51.393	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	415106	50.448	ug/l	99
89) n-Butylbenzene	13.696	91	704524	53.667	ug/l	98
90) Hexachloroethane	13.965	117	148820	52.889	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	383037	51.504	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	35682	49.398	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	258005	53.711	ug/l	99
94) Hexachlorobutadiene	15.111	225	164513	55.724	ug/l	98
95) Naphthalene	15.239	128	531973	52.053	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	236412	54.015	ug/l	98

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

