

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062723\
 Data File : VY014468.D
 Acq On : 27 Jun 2023 19:05
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/28/2023
 Supervised By :Mahesh Dadoda 06/28/2023

Quant Time: Jun 28 02:28:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	429546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	636193	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	598508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	323524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	271359	50.881	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.760%			
35) Dibromofluoromethane	7.722	113	202170	51.436	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.880%			
50) Toluene-d8	10.185	98	794907	50.876	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.760%			
62) 4-Bromofluorobenzene	12.483	95	283740	50.868	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	94461	23.691	ug/l	100
3) Chloromethane	2.113	50	89055	22.823	ug/l	99
4) Vinyl Chloride	2.253	62	102024	23.990	ug/l	93
5) Bromomethane	2.644	94	96024	25.698	ug/l	99
6) Chloroethane	2.790	64	71569	25.406	ug/l	99
7) Trichlorofluoromethane	3.125	101	224531	26.741	ug/l	99
8) Diethyl Ether	3.534	74	70895	27.694	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.900	101	103532	26.090	ug/l	95
10) Methyl Iodide	4.095	142	126830	25.668	ug/l	95
11) Tert butyl alcohol	4.966	59	91286	120.139	ug/l #	80
12) 1,1-Dichloroethene	3.875	96	106437	26.897	ug/l	95
13) Acrolein	3.729	56	78587	112.676	ug/l	97
14) Allyl chloride	4.485	41	162694	25.742	ug/l	90
15) Acrylonitrile	5.162	53	200477	140.049	ug/l	99
16) Acetone	3.948	43	180369	107.479	ug/l	97
17) Carbon Disulfide	4.198	76	319921	26.125	ug/l	98
18) Methyl Acetate	4.479	43	157520	27.303	ug/l	92
19) Methyl tert-butyl Ether	5.222	73	357992	29.412	ug/l	97
20) Methylene Chloride	4.716	84	128135	23.492	ug/l	86
21) trans-1,2-Dichloroethene	5.222	96	121820	27.997	ug/l	98
22) Diisopropyl ether	6.125	45	350795	27.930	ug/l	95
23) Vinyl Acetate	6.064	43	1095378	170.819	ug/l	95
24) 1,1-Dichloroethane	6.027	63	205723	27.584	ug/l	99
25) 2-Butanone	6.990	43	272802	130.514	ug/l	96
26) 2,2-Dichloropropane	6.990	77	196152	24.873	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	140453	28.675	ug/l	95
28) Bromochloromethane	7.338	49	90246	27.746	ug/l #	80
29) Tetrahydrofuran	7.350	42	178706	143.383	ug/l	88
30) Chloroform	7.509	83	244254	29.032	ug/l	96
31) Cyclohexane	7.789	56	169550	25.738	ug/l	92
32) 1,1,1-Trichloroethane	7.710	97	227945	28.464	ug/l	98
36) 1,1-Dichloropropene	7.923	75	166530	27.494	ug/l	98
37) Ethyl Acetate	7.082	43	117181	28.072	ug/l #	96
38) Carbon Tetrachloride	7.905	117	217092	28.482	ug/l	98
39) Methylcyclohexane	9.185	83	190713	27.368	ug/l	97
40) Benzene	8.167	78	494490	28.825	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	62513m	30.219	ug/l	
42) 1,2-Dichloroethane	8.240	62	191266	29.407	ug/l	100
43) Isopropyl Acetate	8.277	43	210267	28.527	ug/l	96
44) Trichloroethene	8.941	130	139224	28.267	ug/l	100
45) 1,2-Dichloropropane	9.216	63	113993	28.182	ug/l	100
46) Dibromomethane	9.307	93	81001	29.304	ug/l	95
47) Bromodichloromethane	9.502	83	189792	29.459	ug/l	98
48) Methyl methacrylate	9.295	41	99989	29.208	ug/l	93
49) 1,4-Dioxane	9.301	88	27932	646.264	ug/l #	65
51) 4-Methyl-2-Pentanone	10.075	43	607459	146.025	ug/l	96
52) Toluene	10.246	92	328239	29.737	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	203055	29.070	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	205025	28.457	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	112499	30.394	ug/l	94
56) Ethyl methacrylate	10.508	69	162421	30.726	ug/l	94
57) 1,3-Dichloropropane	10.795	76	184903	29.700	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	358960	144.968	ug/l	93
59) 2-Hexanone	10.831	43	456896	145.755	ug/l	96
60) Dibromochloromethane	10.990	129	151334	30.821	ug/l	100
61) 1,2-Dibromoethane	11.087	107	112904	30.636	ug/l	99
64) Tetrachloroethene	10.721	164	151489	29.744	ug/l	96
65) Chlorobenzene	11.520	112	365128	29.695	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	149595	30.203	ug/l	97
67) Ethyl Benzene	11.593	91	640404	29.248	ug/l	98
68) m/p-Xylenes	11.703	106	505308	59.088	ug/l	97
69) o-Xylene	12.032	106	244820	30.086	ug/l	99
70) Styrene	12.044	104	424441	30.433	ug/l	100
71) Bromoform	12.209	173	112080	30.618	ug/l	99
73) Isopropylbenzene	12.331	105	637924	29.283	ug/l	99
74) N-amyl acetate	12.142	43	201414	29.194	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	139680	30.003	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	118680m	29.243	ug/l	
77) Bromobenzene	12.611	156	170339	30.073	ug/l	92
78) n-propylbenzene	12.672	91	764593	29.092	ug/l	98
79) 2-Chlorotoluene	12.758	91	440692	29.360	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	558949	29.660	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	50182	28.151	ug/l	94
82) 4-Chlorotoluene	12.855	91	462438	28.921	ug/l	98
83) tert-Butylbenzene	13.075	119	473598	29.315	ug/l	98
84) 1,2,4-Trimethylbenzene	13.124	105	561404	30.064	ug/l	100
85) sec-Butylbenzene	13.258	105	690218	29.543	ug/l	98
86) p-Isopropyltoluene	13.373	119	599691	29.647	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	328313	30.051	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	329316	29.983	ug/l	100
89) n-Butylbenzene	13.697	91	530658	28.712	ug/l	97
90) Hexachloroethane	13.965	117	113702	29.547	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	302847	30.364	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	31172	30.294	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	191871	29.610	ug/l	98
94) Hexachlorobutadiene	15.111	225	112276	28.845	ug/l	98
95) Naphthalene	15.239	128	429446	30.825	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	176019	29.833	ug/l	100

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

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