

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013768.D
 Acq On : 17 May 2023 10:37
 Operator : KP/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/18/2023
 Supervised By :Mahesh Dadoda 05/18/2023

Quant Time: May 18 06:36:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:33:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	254027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	408336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	361011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	174305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	30234	10.246	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.500%#		
35) Dibromofluoromethane	7.722	113	26335	10.057	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.120%#		
50) Toluene-d8	10.185	98	100331	10.107	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.220%#		
62) 4-Bromofluorobenzene	12.483	95	32591	9.884	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	19.760%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	18904	10.365	ug/l	98
3) Chloromethane	2.113	50	28121	10.170	ug/l	100
4) Vinyl Chloride	2.253	62	28152	10.196	ug/l	98
5) Bromomethane	2.656	94	24285	9.919	ug/l	96
6) Chloroethane	2.796	64	17908	9.436	ug/l	95
7) Trichlorofluoromethane	3.131	101	40585	10.100	ug/l	100
8) Diethyl Ether	3.534	74	12691	9.438	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.905	101	23753	10.100	ug/l	99
10) Methyl Iodide	4.107	142	23172	8.968	ug/l	98
11) Tert butyl alcohol	4.991	59	11270m	47.143	ug/l	
12) 1,1-Dichloroethene	3.881	96	20641	9.683	ug/l	99
13) Acrolein	3.735	56	20703	48.478	ug/l	97
14) Allyl chloride	4.491	41	40586	9.665	ug/l	98
15) Acrylonitrile	5.173	53	37330	47.340	ug/l	99
16) Acetone	3.960	43	41527	46.643	ug/l	98
17) Carbon Disulfide	4.198	76	59269	9.676	ug/l	96
18) Methyl Acetate	4.485	43	29067	9.365	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	60817	9.403	ug/l	100
20) Methylene Chloride	4.716	84	37414	8.894	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	23146	9.643	ug/l	97
22) Diisopropyl ether	6.125	45	84075	9.412	ug/l	96
23) Vinyl Acetate	6.070	43	236227	45.702	ug/l	100
24) 1,1-Dichloroethane	6.021	63	47809	9.791	ug/l	96
25) 2-Butanone	6.990	43	51875	44.822	ug/l	95
26) 2,2-Dichloropropane	6.984	77	40854	9.795	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	27013	9.551	ug/l	98
28) Bromochloromethane	7.332	49	18364	10.749	ug/l	95
29) Tetrahydrofuran	7.356	42	31440	45.401	ug/l	99
30) Chloroform	7.515	83	48533	9.863	ug/l	96
31) Cyclohexane	7.789	56	42959	10.154	ug/l #	90
32) 1,1,1-Trichloroethane	7.710	97	41198	9.808	ug/l	99
36) 1,1-Dichloropropene	7.929	75	34199	9.453	ug/l	99
37) Ethyl Acetate	7.082	43	23829	9.575	ug/l	98
38) Carbon Tetrachloride	7.905	117	36994	9.693	ug/l	94
39) Methylcyclohexane	9.191	83	38546	9.374	ug/l	97
40) Benzene	8.167	78	102276	9.728	ug/l	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	14392m	11.988	ug/l	
42) 1,2-Dichloroethane	8.240	62	33702	9.921	ug/l	100
43) Isopropyl Acetate	8.277	43	39915	8.837	ug/l	97
44) Trichloroethene	8.941	130	27303	9.934	ug/l	92
45) 1,2-Dichloropropane	9.215	63	27664	9.575	ug/l	97
46) Dibromomethane	9.313	93	15375	9.502	ug/l	97
47) Bromodichloromethane	9.502	83	37080	9.677	ug/l	99
48) Methyl methacrylate	9.301	41	17997	8.674	ug/l	98
49) 1,4-Dioxane	9.313	88	3305m	166.426	ug/l	
51) 4-Methyl-2-Pentanone	10.075	43	113166	44.989	ug/l	97
52) Toluene	10.246	92	60650	9.516	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	35762	9.052	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	42149	9.562	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	21227	9.646	ug/l	97
56) Ethyl methacrylate	10.514	69	25315	8.620	ug/l	93
57) 1,3-Dichloropropane	10.794	76	37054	9.787	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	52842	49.663	ug/l	99
59) 2-Hexanone	10.837	43	78647	43.986	ug/l	99
60) Dibromochloromethane	10.990	129	25525	9.572	ug/l	99
61) 1,2-Dibromoethane	11.093	107	19994	9.635	ug/l	97
64) Tetrachloroethene	10.721	164	22897	9.998	ug/l	97
65) Chlorobenzene	11.520	112	67892	9.936	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	25985	9.787	ug/l	98
67) Ethyl Benzene	11.599	91	113518	9.349	ug/l	99
68) m/p-Xylenes	11.709	106	85027	18.696	ug/l	97
69) o-Xylene	12.032	106	39886	9.220	ug/l	100
70) Styrene	12.044	104	67197	9.145	ug/l	100
71) Bromoform	12.209	173	17145	9.775	ug/l #	96
73) Isopropylbenzene	12.331	105	107854	9.140	ug/l	99
74) N-amyl acetate	12.148	43	34899	8.715	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	26901	9.623	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	18156m	8.628	ug/l	
77) Bromobenzene	12.611	156	26576	9.336	ug/l	98
78) n-propylbenzene	12.672	91	133827	9.207	ug/l	98
79) 2-Chlorotoluene	12.757	91	76642	9.342	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	90450	9.400	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	8614	9.091	ug/l	97
82) 4-Chlorotoluene	12.861	91	80450	9.414	ug/l	98
83) tert-Butylbenzene	13.075	119	79737	9.516	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	87850	9.315	ug/l	99
85) sec-Butylbenzene	13.257	105	117896	9.325	ug/l	100
86) p-Isopropyltoluene	13.373	119	95451	9.350	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	54070	9.757	ug/l	98
88) 1,4-Dichlorobenzene	13.452	146	53678	9.633	ug/l	96
89) n-Butylbenzene	13.702	91	91668	9.159	ug/l	100
90) Hexachloroethane	13.965	117	21138	9.798	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	46521	9.427	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4275	9.438	ug/l	99
93) 1,2,4-Trichlorobenzene	15.013	180	26926	9.195	ug/l	99
94) Hexachlorobutadiene	15.117	225	18025	9.909	ug/l	98
95) Naphthalene	15.239	128	48011	8.261	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	24566	9.324	ug/l	99

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

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