

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013767.D
 Acq On : 17 May 2023 10:14
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: May 18 06:35:41 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	249448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	399258	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	358321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	168941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	15091	5.208	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.420%#		
35) Dibromofluoromethane	7.722	113	12843	5.016	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.040%#		
50) Toluene-d8	10.179	98	46683	4.810	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.620%#		
62) 4-Bromofluorobenzene	12.483	95	15480	4.801	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.600%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	9577	5.347	ug/l	96
3) Chloromethane	2.113	50	16045	5.909	ug/l	97
4) Vinyl Chloride	2.253	62	15309	5.646	ug/l	96
5) Bromomethane	2.656	94	14007	5.826	ug/l	96
6) Chloroethane	2.802	64	10956	5.879	ug/l	95
7) Trichlorofluoromethane	3.125	101	21752	5.512	ug/l	98
8) Diethyl Ether	3.534	74	7325	5.548	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	12620	5.464	ug/l #	85
10) Methyl Iodide	4.094	142	12315	4.854	ug/l	98
11) Tert butyl alcohol	4.978	59	6413	27.318	ug/l	99
12) 1,1-Dichloroethene	3.887	96	11634	5.558	ug/l #	79
13) Acrolein	3.735	56	10912	26.020	ug/l	99
14) Allyl chloride	4.485	41	21531	5.221	ug/l	95
15) Acrylonitrile	5.174	53	19961	25.778	ug/l	99
16) Acetone	3.948	43	23614	27.010	ug/l	93
17) Carbon Disulfide	4.198	76	37115	6.170	ug/l	99
18) Methyl Acetate	4.485	43	17211	5.647	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	31236	4.918	ug/l	97
20) Methylene Chloride	4.722	84	27196	4.766	ug/l #	96
21) trans-1,2-Dichloroethene	5.222	96	12797	5.429	ug/l	97
22) Diisopropyl ether	6.119	45	43501	4.959	ug/l #	91
23) Vinyl Acetate	6.064	43	117728	23.194	ug/l	97
24) 1,1-Dichloroethane	6.021	63	25970	5.416	ug/l	99
25) 2-Butanone	6.990	43	28225	24.835	ug/l	98
26) 2,2-Dichloropropane	6.990	77	21654	5.287	ug/l	97
27) cis-1,2-Dichloroethene	6.990	96	14894	5.363	ug/l	97
28) Bromochloromethane	7.338	49	9270	5.525	ug/l	97
29) Tetrahydrofuran	7.350	42	16590	24.396	ug/l	99
30) Chloroform	7.509	83	26711	5.528	ug/l	94
31) Cyclohexane	7.789	56	25291	6.087	ug/l #	77
32) 1,1,1-Trichloroethane	7.704	97	21483	5.209	ug/l	95
36) 1,1-Dichloropropene	7.923	75	19502	5.513	ug/l	99
37) Ethyl Acetate	7.076	43	12254	5.036	ug/l #	90
38) Carbon Tetrachloride	7.899	117	20118	5.391	ug/l	94
39) Methylcyclohexane	9.185	83	20723	5.154	ug/l	98
40) Benzene	8.161	78	56457	5.492	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	5026m	4.282	ug/l	
42) 1,2-Dichloroethane	8.240	62	17898	5.389	ug/l	98
43) Isopropyl Acetate	8.277	43	21944	4.969	ug/l	99
44) Trichloroethene	8.941	130	14850	5.526	ug/l	95
45) 1,2-Dichloropropane	9.216	63	14966	5.298	ug/l	99
46) Dibromomethane	9.307	93	8682	5.488	ug/l	96
47) Bromodichloromethane	9.502	83	19664	5.248	ug/l	95
48) Methyl methacrylate	9.301	41	9235	4.552	ug/l	95
49) 1,4-Dioxane	9.313	88	1982	102.075	ug/l #	89
51) 4-Methyl-2-Pentanone	10.069	43	59022	23.998	ug/l	99
52) Toluene	10.246	92	31933	5.124	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	20150	5.216	ug/l	92
54) cis-1,3-Dichloropropene	9.929	75	22290	5.171	ug/l	94
55) 1,1,2-Trichloroethane	10.648	97	11258	5.232	ug/l	92
56) Ethyl methacrylate	10.514	69	12763	4.445	ug/l	93
57) 1,3-Dichloropropane	10.794	76	19428	5.248	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	27859	26.778	ug/l	96
59) 2-Hexanone	10.837	43	40143	22.962	ug/l	98
60) Dibromochloromethane	10.983	129	13506	5.180	ug/l	100
61) 1,2-Dibromoethane	11.087	107	10096	4.976	ug/l	92
64) Tetrachloroethene	10.721	164	12701	5.588	ug/l	96
65) Chlorobenzene	11.520	112	36785	5.424	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	13987	5.308	ug/l	99
67) Ethyl Benzene	11.593	91	60290	5.003	ug/l	96
68) m/p-Xylenes	11.709	106	44632	9.888	ug/l	99
69) o-Xylene	12.032	106	21210	4.939	ug/l	96
70) Styrene	12.050	104	34890	4.784	ug/l	99
71) Bromoform	12.209	173	8549	4.910	ug/l #	99
73) Isopropylbenzene	12.331	105	55784	4.877	ug/l	100
74) N-amyl acetate	12.148	43	17905	4.613	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	13774	5.084	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	9034m	4.429	ug/l	
77) Bromobenzene	12.611	156	14450	5.237	ug/l	98
78) n-propylbenzene	12.672	91	68717	4.877	ug/l	98
79) 2-Chlorotoluene	12.758	91	39936	5.023	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	44666	4.789	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	4173	4.544	ug/l	97
82) 4-Chlorotoluene	12.855	91	42512	5.133	ug/l	99
83) tert-Butylbenzene	13.075	119	37493	4.617	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	43589	4.769	ug/l	99
85) sec-Butylbenzene	13.257	105	59657	4.868	ug/l	100
86) p-Isopropyltoluene	13.373	119	47380	4.788	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	28109	5.233	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	29545	5.471	ug/l	94
89) n-Butylbenzene	13.696	91	47725	4.920	ug/l	99
90) Hexachloroethane	13.965	117	10914	5.220	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	24885	5.203	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	2188	4.984	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	13969	4.922	ug/l	97
94) Hexachlorobutadiene	15.117	225	9520	5.399	ug/l	94
95) Naphthalene	15.239	128	25252	4.483	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	12946	5.070	ug/l	98

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

