

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033023\
 Data File : VY013142.D
 Acq On : 30 Mar 2023 10:36
 Operator : KP/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/31/2023
 Supervised By :Mahesh Dadoda 04/03/2023

Quant Time: Mar 31 03:54:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 31 03:45:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	127804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	199525	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	181239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	91131	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	14413	10.494	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.980%#		
35) Dibromofluoromethane	7.716	113	13433	10.306	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.620%#		
50) Toluene-d8	10.179	98	50497	10.262	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	20.520%#		
62) 4-Bromofluorobenzene	12.483	95	15941	9.953	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	19.900%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	13899	11.094	ug/l	99
3) Chloromethane	2.113	50	13953	10.679	ug/l	100
4) Vinyl Chloride	2.253	62	13866	10.585	ug/l	96
5) Bromomethane	2.650	94	10127	10.955	ug/l	91
6) Chloroethane	2.796	64	8876	10.817	ug/l	98
7) Trichlorofluoromethane	3.131	101	24194	10.378	ug/l	97
8) Diethyl Ether	3.534	74	7408	10.119	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.899	101	13364	10.397	ug/l	99
10) Methyl Iodide	4.094	142	16055	9.592	ug/l	99
11) Tert butyl alcohol	4.948	59	7067	57.088	ug/l #	79
12) 1,1-Dichloroethene	3.869	96	12427	10.001	ug/l	93
13) Acrolein	3.729	56	9256	53.281	ug/l	96
14) Allyl chloride	4.479	41	21452	10.133	ug/l	99
15) Acrylonitrile	5.167	53	18710	51.432	ug/l	99
16) Acetone	3.942	43	20110	47.882	ug/l	97
17) Carbon Disulfide	4.198	76	43320	10.469	ug/l	99
18) Methyl Acetate	4.479	43	13783	10.415	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	30502	9.688	ug/l	98
20) Methylene Chloride	4.716	84	20250	9.631	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	14293	10.210	ug/l	96
22) Diisopropyl ether	6.118	45	41867	10.122	ug/l	94
23) Vinyl Acetate	6.064	43	115698	49.189	ug/l	98
24) 1,1-Dichloroethane	6.021	63	25593	10.448	ug/l	97
25) 2-Butanone	6.990	43	25974	49.459	ug/l	98
26) 2,2-Dichloropropane	6.978	77	22916	10.401	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	15183	10.067	ug/l	97
28) Bromochloromethane	7.332	49	10930	10.398	ug/l	93
29) Tetrahydrofuran	7.344	42	15529	49.952	ug/l	98
30) Chloroform	7.508	83	26431	10.419	ug/l	99
31) Cyclohexane	7.783	56	23284	10.384	ug/l #	82
32) 1,1,1-Trichloroethane	7.704	97	22578	10.067	ug/l	97
36) 1,1-Dichloropropene	7.923	75	19381	9.877	ug/l	98
37) Ethyl Acetate	7.076	43	10697	9.597	ug/l	100
38) Carbon Tetrachloride	7.899	117	21719	10.032	ug/l	96
39) Methylcyclohexane	9.185	83	21307	9.256	ug/l	86
40) Benzene	8.161	78	56783	10.019	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	4460m	8.237	ug/l	
42) 1,2-Dichloroethane	8.234	62	17464	10.058	ug/l	99
43) Isopropyl Acetate	8.271	43	19297	9.672	ug/l #	90
44) Trichloroethene	8.941	130	15567	9.978	ug/l	96
45) 1,2-Dichloropropane	9.216	63	14523	10.233	ug/l	97
46) Dibromomethane	9.301	93	8251	10.121	ug/l	96
47) Bromodichloromethane	9.496	83	19849	10.090	ug/l	94
48) Methyl methacrylate	9.289	41	8570	9.223	ug/l	96
49) 1,4-Dioxane	9.301	88	1957	201.779	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	53773	49.937	ug/l	100
52) Toluene	10.246	92	34481	9.808	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	19497	9.697	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	22620	9.850	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	11610	10.302	ug/l	94
56) Ethyl methacrylate	10.508	69	12884	9.093	ug/l	97
57) 1,3-Dichloropropane	10.788	76	19172	10.078	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	33193	50.102	ug/l	100
59) 2-Hexanone	10.831	43	35993	46.217	ug/l	99
60) Dibromochloromethane	10.983	129	14228	10.052	ug/l	99
61) 1,2-Dibromoethane	11.087	107	10945	10.024	ug/l	99
64) Tetrachloroethene	10.721	164	13692	9.827	ug/l	90
65) Chlorobenzene	11.514	112	38858	10.099	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	14500	10.052	ug/l	99
67) Ethyl Benzene	11.593	91	63992	9.630	ug/l	99
68) m/p-Xylenes	11.703	106	50176	19.519	ug/l	99
69) o-Xylene	12.026	106	22744	9.539	ug/l	97
70) Styrene	12.044	104	38124	9.558	ug/l	98
71) Bromoform	12.209	173	8849	9.893	ug/l #	97
73) Isopropylbenzene	12.331	105	59707	9.491	ug/l	99
74) N-amyl acetate	12.142	43	15826	9.163	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	13530	10.268	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	10738m	10.492	ug/l	
77) Bromobenzene	12.605	156	15613	9.983	ug/l	95
78) n-propylbenzene	12.672	91	74974	9.693	ug/l	98
79) 2-Chlorotoluene	12.758	91	43173	9.837	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	51018	9.701	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	4491	9.783	ug/l	97
82) 4-Chlorotoluene	12.855	91	45432	9.946	ug/l	99
83) tert-Butylbenzene	13.075	119	42500	9.408	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	49560	9.622	ug/l	98
85) sec-Butylbenzene	13.251	105	65315	9.576	ug/l	98
86) p-Isopropyltoluene	13.367	119	54069	9.629	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	31327	10.105	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	31357	10.093	ug/l	96
89) n-Butylbenzene	13.696	91	48887	9.313	ug/l	99
90) Hexachloroethane	13.959	117	11717	10.017	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	27697	10.003	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	2232	10.180	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	14058	8.707	ug/l	96
94) Hexachlorobutadiene	15.111	225	9401	9.467	ug/l	99
95) Naphthalene	15.239	128	24272	9.871	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	12333	8.670	ug/l	97

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

