

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060923\
 Data File : VY014096.D
 Acq On : 09 Jun 2023 14:23
 Operator : KP/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/12/2023
 Supervised By :Mahesh Dadoda 06/12/2023

Quant Time: Jun 09 17:41:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 17:38:57 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	195338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	318213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	294647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	152642	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	29838	10.969	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.940%#		
35) Dibromofluoromethane	7.716	113	23246	10.301	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.600%#		
50) Toluene-d8	10.179	98	92793	10.999	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	22.000%#		
62) 4-Bromofluorobenzene	12.483	95	32478	10.837	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	21.680%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	22994	10.562	ug/l	99
3) Chloromethane	2.113	50	32340	11.716	ug/l	94
4) Vinyl Chloride	2.253	62	29191	10.877	ug/l	95
5) Bromomethane	2.656	94	24094	10.881	ug/l	97
6) Chloroethane	2.790	64	20140	11.044	ug/l	99
7) Trichlorofluoromethane	3.125	101	44337	10.169	ug/l	97
8) Diethyl Ether	3.522	74	15397	10.576	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	21229	9.648	ug/l	98
10) Methyl Iodide	4.088	142	28914	9.951	ug/l	96
11) Tert butyl alcohol	4.930	59	26192m	64.674	ug/l	
12) 1,1-Dichloroethene	3.869	96	23060	10.339	ug/l	99
13) Acrolein	3.735	56	10230	41.654	ug/l	98
14) Allyl chloride	4.473	41	44498	11.007	ug/l	99
15) Acrylonitrile	5.155	53	37602	50.074	ug/l	98
16) Acetone	3.948	43	42079	51.320	ug/l	98
17) Carbon Disulfide	4.192	76	79040	10.936	ug/l	100
18) Methyl Acetate	4.473	43	33177	10.425	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	65858	10.012	ug/l	98
20) Methylene Chloride	4.710	84	37134	11.420	ug/l	94
21) trans-1,2-Dichloroethene	5.210	96	27473	11.044	ug/l	97
22) Diisopropyl ether	6.119	45	81956	10.588	ug/l	99
23) Vinyl Acetate	6.058	43	224276	49.107	ug/l	99
24) 1,1-Dichloroethane	6.015	63	49286	11.043	ug/l	98
25) 2-Butanone	6.990	43	50938	50.469	ug/l	98
26) 2,2-Dichloropropane	6.978	77	46782	11.160	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	30827	11.078	ug/l	98
28) Bromochloromethane	7.326	49	20264	11.165	ug/l	96
29) Tetrahydrofuran	7.350	42	30855	48.211	ug/l	99
30) Chloroform	7.503	83	51782	10.937	ug/l	99
31) Cyclohexane	7.783	56	35422	9.721	ug/l #	91
32) 1,1,1-Trichloroethane	7.698	97	45465	10.647	ug/l	99
36) 1,1-Dichloropropene	7.911	75	35415	10.066	ug/l	100
37) Ethyl Acetate	7.070	43	23066	9.502	ug/l	99
38) Carbon Tetrachloride	7.899	117	40652	10.013	ug/l	100
39) Methylcyclohexane	9.185	83	34517	8.843	ug/l	98
40) Benzene	8.155	78	109749	10.490	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	12728m	10.016	ug/l	
42) 1,2-Dichloroethane	8.234	62	38798	10.487	ug/l	100
43) Isopropyl Acetate	8.271	43	40445	9.506	ug/l	99
44) Trichloroethene	8.935	130	29940	10.711	ug/l	97
45) 1,2-Dichloropropane	9.216	63	27981	10.530	ug/l	97
46) Dibromomethane	9.307	93	16887	10.324	ug/l	98
47) Bromodichloromethane	9.496	83	39784	10.388	ug/l	95
48) Methyl methacrylate	9.289	41	19180	9.665	ug/l	98
49) 1,4-Dioxane	9.319	88	4065	189.390	ug/l #	45
51) 4-Methyl-2-Pentanone	10.069	43	105540	45.658	ug/l	98
52) Toluene	10.246	92	68101	10.501	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	40682	10.090	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	45433	10.328	ug/l	98
55) 1,1,2-Trichloroethane	10.642	97	22056	10.166	ug/l	99
56) Ethyl methacrylate	10.508	69	27549	9.206	ug/l	98
57) 1,3-Dichloropropane	10.788	76	37982	10.236	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	36643	52.886	ug/l	94
59) 2-Hexanone	10.831	43	75021	44.936	ug/l	99
60) Dibromochloromethane	10.984	129	28114	10.125	ug/l	99
61) 1,2-Dibromoethane	11.087	107	21951	10.252	ug/l	98
64) Tetrachloroethene	10.715	164	25664	10.219	ug/l	96
65) Chlorobenzene	11.514	112	74639	10.542	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	29204	10.487	ug/l	100
67) Ethyl Benzene	11.593	91	125671	10.141	ug/l	96
68) m/p-Xylenes	11.703	106	97241	20.400	ug/l	100
69) o-Xylene	12.032	106	45811	10.165	ug/l	98
70) Styrene	12.044	104	77792	10.114	ug/l	98
71) Bromoform	12.209	173	18808	9.862	ug/l #	96
73) Isopropylbenzene	12.331	105	115416	9.912	ug/l	99
74) N-amyl acetate	12.142	43	33592	9.103	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	25496	9.799	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	20748m	10.670	ug/l	
77) Bromobenzene	12.611	156	31980	10.449	ug/l	96
78) n-propylbenzene	12.672	91	145213	10.210	ug/l	99
79) 2-Chlorotoluene	12.758	91	84318	10.303	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	102566	10.287	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	8846	9.548	ug/l	94
82) 4-Chlorotoluene	12.855	91	91218	10.518	ug/l	97
83) tert-Butylbenzene	13.075	119	84573	9.982	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	101651	10.299	ug/l	98
85) sec-Butylbenzene	13.251	105	122843	9.972	ug/l	100
86) p-Isopropyltoluene	13.367	119	106119	10.066	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	62747	10.738	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	63291	10.750	ug/l	99
89) n-Butylbenzene	13.697	91	96059	9.824	ug/l	98
90) Hexachloroethane	13.959	117	22068	10.505	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	55049	10.489	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4544	9.171	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	32934	9.906	ug/l	95
94) Hexachlorobutadiene	15.111	225	18699	9.742	ug/l	99
95) Naphthalene	15.239	128	61342	9.090	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	30379	10.112	ug/l	99

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

