

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011623\
 Data File : VY012195.D
 Acq On : 16 Jan 2023 13:03
 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 01/17/2023
 Supervised By :Mahesh Dadoda 01/17/2023

Quant Time: Jan 16 14:04:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 16 13:57:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	179162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	273419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	253670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130330	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	19761	9.816	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.640%#		
35) Dibromofluoromethane	7.716	113	15889	8.841	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	17.680%#		
50) Toluene-d8	10.179	98	64948	9.156	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	18.320%#		
62) 4-Bromofluorobenzene	12.483	95	22919	9.244	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	18.480%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	18625	11.613	ug/l	96
3) Chloromethane	2.113	50	15769	10.705	ug/l	97
4) Vinyl Chloride	2.253	62	18212	10.459	ug/l	97
5) Bromomethane	2.650	94	14250	10.698	ug/l	95
6) Chloroethane	2.796	64	11597	10.053	ug/l	97
7) Trichlorofluoromethane	3.131	101	35633	10.272	ug/l	99
8) Diethyl Ether	3.534	74	10843	10.209	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.906	101	17248	9.657	ug/l	95
10) Methyl Iodide	4.095	142	24311	10.041	ug/l	93
11) Tert butyl alcohol	4.948	59	13988	46.813	ug/l #	84
12) 1,1-Dichloroethene	3.875	96	17081	9.755	ug/l	96
13) Acrolein	3.735	56	5886	45.284	ug/l	100
14) Allyl chloride	4.479	41	20763	8.796	ug/l #	84
15) Acrylonitrile	5.161	53	24075	48.247	ug/l	99
16) Acetone	3.948	43	26670	56.316	ug/l	96
17) Carbon Disulfide	4.198	76	53401	10.816	ug/l	100
18) Methyl Acetate	4.479	43	12168	8.932	ug/l #	85
19) Methyl tert-butyl Ether	5.222	73	49973	9.696	ug/l	92
20) Methylene Chloride	4.716	84	36560	14.827	ug/l	87
21) trans-1,2-Dichloroethene	5.216	96	19455	10.041	ug/l	87
22) Diisopropyl ether	6.119	45	42426	8.737	ug/l #	87
23) Vinyl Acetate	6.064	43	135296	46.044	ug/l #	90
24) 1,1-Dichloroethane	6.021	63	29079	9.003	ug/l	99
25) 2-Butanone	6.990	43	31276	50.056	ug/l	92
26) 2,2-Dichloropropane	6.984	77	32554	9.343	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	20908	9.448	ug/l	96
28) Bromochloromethane	7.332	49	6358	7.786	ug/l #	70
29) Tetrahydrofuran	7.350	42	17073	46.812	ug/l #	79
30) Chloroform	7.502	83	35715	9.700	ug/l	100
31) Cyclohexane	7.783	56	28490	9.843	ug/l #	91
32) 1,1,1-Trichloroethane	7.704	97	34735	9.713	ug/l	98
36) 1,1-Dichloropropene	7.917	75	26128	9.583	ug/l	98
37) Ethyl Acetate	7.076	43	12194	8.353	ug/l #	91
38) Carbon Tetrachloride	7.899	117	33643	9.722	ug/l	94
39) Methylcyclohexane	9.185	83	30952	9.503	ug/l	93
40) Benzene	8.161	78	75207	9.466	ug/l	96

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41) Methacrylonitrile	7.320	41	6918m	8.713	ug/l	
42) 1,2-Dichloroethane	8.240	62	24799	9.859	ug/l	98
43) Isopropyl Acetate	8.271	43	22151	9.054	ug/l #	95
44) Trichloroethene	8.941	130	22136	9.542	ug/l	98
45) 1,2-Dichloropropane	9.216	63	15739	8.891	ug/l	96
46) Dibromomethane	9.307	93	10763	9.658	ug/l	95
47) Bromodichloromethane	9.496	83	26678	9.415	ug/l #	99
48) Methyl methacrylate	9.295	41	9928	9.059	ug/l	85
49) 1,4-Dioxane	9.301	88	3007	194.855	ug/l	90
51) 4-Methyl-2-Pentanone	10.069	43	59640	45.813	ug/l	95
52) Toluene	10.246	92	48980	9.314	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	27411	9.299	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	29935	9.387	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	15639	9.716	ug/l	94
56) Ethyl methacrylate	10.508	69	19575	9.284	ug/l	95
57) 1,3-Dichloropropane	10.788	76	24616	9.267	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	33235	43.094	ug/l #	87
59) 2-Hexanone	10.831	43	45470	49.742	ug/l	95
60) Dibromochloromethane	10.984	129	20184	9.511	ug/l	99
61) 1,2-Dibromoethane	11.087	107	14942	9.699	ug/l	98
64) Tetrachloroethene	10.721	164	25078	10.092	ug/l	93
65) Chlorobenzene	11.520	112	53973	9.316	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	20709	9.259	ug/l	97
67) Ethyl Benzene	11.593	91	95965	9.267	ug/l	98
68) m/p-Xylenes	11.703	106	76335	18.795	ug/l	99
69) o-Xylene	12.032	106	36291	9.384	ug/l	96
70) Styrene	12.044	104	61017	9.289	ug/l	100
71) Bromoform	12.209	173	13782	9.698	ug/l #	96
73) Isopropylbenzene	12.331	105	95710	9.281	ug/l	98
74) N-amyl acetate	12.148	43	18834	8.846	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	16214	9.347	ug/l	97
76) 1,2,3-Trichloropropane	12.630	75	12519m	8.413	ug/l	
77) Bromobenzene	12.611	156	23583	9.588	ug/l	93
78) n-propylbenzene	12.672	91	113127	9.397	ug/l	98
79) 2-Chlorotoluene	12.758	91	64375	9.348	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	85494	9.666	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	6257	9.338	ug/l	94
82) 4-Chlorotoluene	12.855	91	67299	9.344	ug/l	97
83) tert-Butylbenzene	13.075	119	73291	9.457	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	83829	9.574	ug/l	100
85) sec-Butylbenzene	13.251	105	103678	9.307	ug/l	96
86) p-Isopropyltoluene	13.373	119	91914	9.524	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	46882	9.509	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	47386	9.621	ug/l	98
89) n-Butylbenzene	13.696	91	78545	9.392	ug/l	96
90) Hexachloroethane	13.965	117	16559	9.249	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	42720	9.726	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3464	10.047	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	25931	9.469	ug/l	97
94) Hexachlorobutadiene	15.117	225	16082	9.733	ug/l	99
95) Naphthalene	15.239	128	49982	9.223	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	22473	9.439	ug/l	99

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

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