

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022525\
 Data File : VY021310.D
 Acq On : 25 Feb 2025 13:03
 Operator : SY/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 :Romaben Patel 02/26/2025
 Supervised By :Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 01:43:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 01:41:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	185658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	289178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	250629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	18938	8.992	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	17.980%#		
35) Dibromofluoromethane	7.634	113	17267	9.108	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	18.220%#		
50) Toluene-d8	10.103	98	66979	9.141	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	18.280%#		
62) 4-Bromofluorobenzene	12.408	95	22364	9.069	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.140%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	17969	10.208	ug/l	99
3) Chloromethane	2.068	50	23321	10.259	ug/l	96
4) Vinyl Chloride	2.202	62	21933	9.830	ug/l	99
5) Bromomethane	2.592	94	15371	10.366	ug/l	92
6) Chloroethane	2.732	64	13561	9.801	ug/l	96
7) Trichlorofluoromethane	3.056	101	33977	10.083	ug/l	96
8) Diethyl Ether	3.452	74	9792	9.682	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	19660	10.077	ug/l	99
10) Methyl Iodide	4.001	142	17573	8.562	ug/l	99
11) Tert butyl alcohol	4.854	59	8754	54.037	ug/l #	81
12) 1,1-Dichloroethene	3.793	96	18141	9.711	ug/l	87
13) Acrolein	3.647	56	10715	86.313	ug/l	97
14) Allyl chloride	4.385	41	31462	9.499	ug/l	98
15) Acrylonitrile	5.061	53	21273	47.572	ug/l	98
16) Acetone	3.866	43	19023	47.086	ug/l	92
17) Carbon Disulfide	4.104	76	61336	9.888	ug/l	100
18) Methyl Acetate	4.379	43	9259	9.378	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	47090	9.541	ug/l	98
20) Methylene Chloride	4.610	84	22192	10.158	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	19921	9.687	ug/l	94
22) Diisopropyl ether	6.012	45	66598	9.717	ug/l	93
23) Vinyl Acetate	5.957	43	193291	47.195	ug/l	99
24) 1,1-Dichloroethane	5.909	63	38311	9.918	ug/l	98
25) 2-Butanone	6.896	43	28711	47.087	ug/l	99
26) 2,2-Dichloropropane	6.884	77	34859	9.945	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	22663	9.651	ug/l	99
28) Bromochloromethane	7.244	49	16417	9.605	ug/l	100
29) Tetrahydrofuran	7.262	42	18625	46.731	ug/l	99
30) Chloroform	7.415	83	38838	9.922	ug/l	97
31) Cyclohexane	7.701	56	38072	10.253	ug/l #	88
32) 1,1,1-Trichloroethane	7.616	97	35489	9.961	ug/l	99
36) 1,1-Dichloropropene	7.829	75	28171	9.892	ug/l	99
37) Ethyl Acetate	6.982	43	14219	10.038	ug/l	98
38) Carbon Tetrachloride	7.811	117	32494	10.149	ug/l	96
39) Methylcyclohexane	9.103	83	35431	9.837	ug/l	95
40) Benzene	8.079	78	83594	9.930	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	6845	8.642	ug/l	92
42) 1,2-Dichloroethane	8.158	62	24091	10.087	ug/l	99
43) Isopropyl Acetate	8.195	43	25874	9.436	ug/l	99
44) Trichloroethene	8.859	130	20823	9.880	ug/l	97
45) 1,2-Dichloropropane	9.140	63	20214	9.978	ug/l	98
46) Dibromomethane	9.231	93	10902	9.845	ug/l	99
47) Bromodichloromethane	9.420	83	29114	9.860	ug/l	97
48) Methyl methacrylate	9.219	41	11652	9.088	ug/l	96
49) 1,4-Dioxane	9.225	88	2309	187.520	ug/l	96
51) 4-Methyl-2-Pentanone	9.993	43	65698	46.808	ug/l	99
52) Toluene	10.170	92	51371	9.823	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	25218	9.322	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	30428	9.528	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	14509	10.057	ug/l	96
56) Ethyl methacrylate	10.438	69	17817	8.938	ug/l	96
57) 1,3-Dichloropropane	10.713	76	24769	9.784	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	42304	44.215	ug/l	100
59) 2-Hexanone	10.755	43	42123	45.697	ug/l	99
60) Dibromochloromethane	10.908	129	18793	9.565	ug/l	96
61) 1,2-Dibromoethane	11.011	107	13351	9.775	ug/l	98
64) Tetrachloroethene	10.646	164	19065	10.064	ug/l	97
65) Chlorobenzene	11.438	112	55689	9.899	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	20089	10.198	ug/l	98
67) Ethyl Benzene	11.517	91	97299	9.764	ug/l	99
68) m/p-Xylenes	11.627	106	73991	19.740	ug/l	99
69) o-Xylene	11.950	106	33822	9.632	ug/l	99
70) Styrene	11.969	104	56550	9.679	ug/l	99
71) Bromoform	12.133	173	11067	9.820	ug/l #	100
73) Isopropylbenzene	12.255	105	90221	9.590	ug/l	100
74) N-amyl acetate	12.066	43	21370	8.937	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	16246	9.785	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	13699m	10.871	ug/l	
77) Bromobenzene	12.529	156	21097	9.641	ug/l	99
78) n-propylbenzene	12.597	91	110190	9.652	ug/l	99
79) 2-Chlorotoluene	12.682	91	64018	9.771	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	74498	9.655	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	5238	9.295	ug/l	96
82) 4-Chlorotoluene	12.773	91	66701	9.821	ug/l	100
83) tert-Butylbenzene	12.999	119	68905	9.886	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	74032	9.647	ug/l	99
85) sec-Butylbenzene	13.176	105	100189	9.841	ug/l	99
86) p-Isopropyltoluene	13.292	119	81769	9.619	ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	43267	9.996	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	42788	10.006	ug/l	98
89) n-Butylbenzene	13.615	91	76325	9.541	ug/l	99
90) Hexachloroethane	13.877	117	17261	9.721	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	37522	9.894	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2424	9.229	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	21234	9.174	ug/l	97
94) Hexachlorobutadiene	15.023	225	14346	9.845	ug/l	99
95) Naphthalene	15.145	128	32094	8.371	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	17983	9.195	ug/l	99

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

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