

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021658.D
 Acq On : 27 Mar 2025 10:54
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 03/28/2025
 Supervised By :Mahesh Dadoda 03/28/2025

Quant Time: Mar 28 02:15:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:08:57 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	234060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	372865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	325153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	163591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	47022	18.542	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	37.080%#		
35) Dibromofluoromethane	7.634	113	43318	17.910	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	35.820%#		
50) Toluene-d8	10.109	98	168040	18.262	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	36.520%#		
62) 4-Bromofluorobenzene	12.408	95	56308	18.092	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	36.180%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	46121	19.011	ug/l	98
3) Chloromethane	2.068	50	66775	19.575	ug/l	100
4) Vinyl Chloride	2.202	62	75860	19.664	ug/l	98
5) Bromomethane	2.586	94	50238	19.093	ug/l	91
6) Chloroethane	2.733	64	50953	20.184	ug/l	96
7) Trichlorofluoromethane	3.056	101	103348	20.913	ug/l	98
8) Diethyl Ether	3.452	74	26594	19.788	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	51794	19.871	ug/l	99
10) Methyl Iodide	4.001	142	57115	19.974	ug/l	97
11) Tert butyl alcohol	4.860	59	16115	97.834	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	47534	19.362	ug/l	98
13) Acrolein	3.653	56	29827	99.170	ug/l	99
14) Allyl chloride	4.385	41	75169	19.203	ug/l	98
15) Acrylonitrile	5.061	53	54478	97.084	ug/l	97
16) Acetone	3.866	43	47787	92.073	ug/l	97
17) Carbon Disulfide	4.104	76	159960	19.782	ug/l	98
18) Methyl Acetate	4.385	43	25160	19.560	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	116736	19.099	ug/l	99
20) Methylene Chloride	4.610	84	55574	19.525	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	53188	19.677	ug/l	96
22) Diisopropyl ether	6.019	45	162151	19.747	ug/l	96
23) Vinyl Acetate	5.958	43	468035	97.433	ug/l	99
24) 1,1-Dichloroethane	5.915	63	95841	19.520	ug/l	98
25) 2-Butanone	6.896	43	69856	94.233	ug/l	97
26) 2,2-Dichloropropane	6.884	77	83932	19.217	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	58567	19.266	ug/l	99
28) Bromochloromethane	7.238	49	39653	19.149	ug/l	99
29) Tetrahydrofuran	7.262	42	45146	94.626	ug/l	100
30) Chloroform	7.415	83	99390	19.462	ug/l	98
31) Cyclohexane	7.701	56	85377	19.075	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	89818	19.459	ug/l	99
36) 1,1-Dichloropropene	7.835	75	72566	19.697	ug/l	99
37) Ethyl Acetate	6.988	43	32313	18.585	ug/l	97
38) Carbon Tetrachloride	7.817	117	81472	19.308	ug/l	97
39) Methylcyclohexane	9.109	83	84802	19.269	ug/l	97
40) Benzene	8.079	78	213074	19.313	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	16483	17.853	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	59552	19.146	ug/l	99
43) Isopropyl Acetate	8.195	43	60795	18.451	ug/l #	87
44) Trichloroethene	8.866	130	54015	19.215	ug/l	95
45) 1,2-Dichloropropane	9.140	63	49850	19.088	ug/l	98
46) Dibromomethane	9.231	93	28698	19.067	ug/l	97
47) Bromodichloromethane	9.420	83	75123	19.262	ug/l	99
48) Methyl methacrylate	9.219	41	26759	17.695	ug/l	94
49) 1,4-Dioxane	9.225	88	6260	388.254	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	163415	95.304	ug/l	98
52) Toluene	10.170	92	133126	19.340	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	65536	18.919	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	78753	19.271	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	37073	19.140	ug/l	98
56) Ethyl methacrylate	10.438	69	46833	18.936	ug/l	97
57) 1,3-Dichloropropane	10.719	76	65563	19.600	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	112947	93.615	ug/l	98
59) 2-Hexanone	10.762	43	107618	94.241	ug/l	99
60) Dibromochloromethane	10.908	129	50740	19.187	ug/l	100
61) 1,2-Dibromoethane	11.018	107	34293	18.874	ug/l	97
64) Tetrachloroethene	10.646	164	58923	19.897	ug/l	97
65) Chlorobenzene	11.444	112	144411	19.375	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	50703	19.173	ug/l	98
67) Ethyl Benzene	11.518	91	249430	19.515	ug/l	98
68) m/p-Xylenes	11.627	106	193566	39.549	ug/l	99
69) o-Xylene	11.957	106	87927	19.462	ug/l	98
70) Styrene	11.969	104	147490	19.580	ug/l	99
71) Bromoform	12.133	173	29726	19.706	ug/l #	100
73) Isopropylbenzene	12.255	105	234386	19.290	ug/l	100
74) N-amyl acetate	12.072	43	52342	18.355	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40279	18.438	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	31855m	19.644	ug/l	
77) Bromobenzene	12.530	156	55776	19.119	ug/l	99
78) n-propylbenzene	12.597	91	284563	19.480	ug/l	100
79) 2-Chlorotoluene	12.682	91	165911	19.555	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	195141	19.651	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	13021	18.502	ug/l	97
82) 4-Chlorotoluene	12.780	91	173311	19.593	ug/l	100
83) tert-Butylbenzene	12.999	119	171216	19.357	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	193683	19.734	ug/l	99
85) sec-Butylbenzene	13.176	105	252573	19.540	ug/l	100
86) p-Isopropyltoluene	13.292	119	209041	19.567	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	111682	19.431	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	111508	19.636	ug/l	98
89) n-Butylbenzene	13.615	91	191838	19.416	ug/l	99
90) Hexachloroethane	13.877	117	44313	18.928	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	97912	19.569	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6369	18.811	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	51474	18.971	ug/l	100
94) Hexachlorobutadiene	15.023	225	32055	18.916	ug/l	99
95) Naphthalene	15.145	128	82325	18.305	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	44047	19.037	ug/l	99

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

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