

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021663.D
 Acq On : 27 Mar 2025 13:15
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY032725

Manual Integrations
 APPROVED

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

Quant Time: Mar 28 03:48:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	241281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	378246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	335061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	166949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137385	52.553	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.100%	
35) Dibromofluoromethane	7.634	113	133092	54.243	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.480%	
50) Toluene-d8	10.109	98	514482	55.117	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.240%	
62) 4-Bromofluorobenzene	12.407	95	174721	55.339	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.680%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	121620	48.632	ug/l	99
3) Chloromethane	2.068	50	178572	50.781	ug/l	99
4) Vinyl Chloride	2.202	62	193909	48.759	ug/l	99
5) Bromomethane	2.592	94	133650	49.274	ug/l	99
6) Chloroethane	2.732	64	131646	50.589	ug/l	98
7) Trichlorofluoromethane	3.055	101	264850	51.989	ug/l	96
8) Diethyl Ether	3.458	74	71773	51.807	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.817	101	129542	48.213	ug/l	97
10) Methyl Iodide	4.006	142	144020	48.859	ug/l	99
11) Tert butyl alcohol	4.860	59	40598	239.093	ug/l	98
12) 1,1-Dichloroethene	3.787	96	123904	48.958	ug/l	99
13) Acrolein	3.653	56	77430	249.738	ug/l	100
14) Allyl chloride	4.384	41	203289	50.380	ug/l	99
15) Acrylonitrile	5.061	53	142349	246.085	ug/l	99
16) Acetone	3.866	43	125654	234.856	ug/l	99
17) Carbon Disulfide	4.104	76	412021	49.428	ug/l	99
18) Methyl Acetate	4.384	43	64580	48.703	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	318579	50.561	ug/l	97
20) Methylene Chloride	4.616	84	139443	53.536	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	139842	50.186	ug/l	95
22) Diisopropyl ether	6.018	45	434011	51.273	ug/l	98
23) Vinyl Acetate	5.957	43	1270842	256.638	ug/l	98
24) 1,1-Dichloroethane	5.915	63	253080	50.001	ug/l	99
25) 2-Butanone	6.890	43	184108	240.921	ug/l	99
26) 2,2-Dichloropropane	6.884	77	221076	49.103	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	159206	50.806	ug/l	99
28) Bromochloromethane	7.244	49	107500	50.360	ug/l	98
29) Tetrahydrofuran	7.262	42	121613	247.271	ug/l	99
30) Chloroform	7.420	83	260540	49.490	ug/l	100
31) Cyclohexane	7.701	56	220748	47.844	ug/l	97
32) 1,1,1-Trichloroethane	7.615	97	234663	49.319	ug/l	99
36) 1,1-Dichloropropene	7.835	75	188082	50.326	ug/l	100
37) Ethyl Acetate	6.981	43	86681	49.145	ug/l	99
38) Carbon Tetrachloride	7.817	117	213223	49.814	ug/l	99
39) Methylcyclohexane	9.109	83	231457	51.843	ug/l	96
40) Benzene	8.079	78	566027	50.574	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	44469	47.475	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	156359	49.556	ug/l	99
43) Isopropyl Acetate	8.195	43	167476	50.106	ug/l #	87
44) Trichloroethene	8.865	130	142392	49.933	ug/l	98
45) 1,2-Dichloropropane	9.140	63	132882	50.158	ug/l	95
46) Dibromomethane	9.231	93	76421	50.052	ug/l	98
47) Bromodichloromethane	9.426	83	199912	50.530	ug/l	99
48) Methyl methacrylate	9.219	41	79887	52.076	ug/l	98
49) 1,4-Dioxane	9.225	88	16464	1006.593	ug/l	90
51) 4-Methyl-2-Pentanone	9.999	43	439879	252.890	ug/l	100
52) Toluene	10.170	92	360002	51.555	ug/l	99
53) t-1,3-Dichloropropene	10.395	75	179752	51.152	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	212066	51.154	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	97567	49.656	ug/l	99
56) Ethyl methacrylate	10.438	69	136411	54.371	ug/l	98
57) 1,3-Dichloropropane	10.719	76	171579	50.563	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	338673	276.714	ug/l	99
59) 2-Hexanone	10.761	43	295472	255.065	ug/l	99
60) Dibromochloromethane	10.914	129	135955	50.679	ug/l	100
61) 1,2-Dibromoethane	11.017	107	93947	50.970	ug/l	99
64) Tetrachloroethene	10.645	164	145736	47.757	ug/l	98
65) Chlorobenzene	11.444	112	386987	50.384	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	138442	50.802	ug/l	99
67) Ethyl Benzene	11.517	91	689434	52.346	ug/l	100
68) m/p-Xylenes	11.627	106	531589	105.402	ug/l	100
69) o-Xylene	11.956	106	247091	53.075	ug/l	99
70) Styrene	11.968	104	416261	53.627	ug/l	99
71) Bromoform	12.133	173	78932	50.778	ug/l #	99
73) Isopropylbenzene	12.255	105	653541	52.705	ug/l	100
74) N-amyl acetate	12.072	43	152268	52.323	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	109833	49.266	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	70644m	42.688	ug/l	
77) Bromobenzene	12.535	156	152211	51.125	ug/l	99
78) n-propylbenzene	12.596	91	792814	53.182	ug/l	100
79) 2-Chlorotoluene	12.682	91	447402	51.671	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	539512	53.236	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	35543	49.488	ug/l	97
82) 4-Chlorotoluene	12.779	91	469122	51.969	ug/l	100
83) tert-Butylbenzene	12.999	119	474947	52.616	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	535411	53.454	ug/l	100
85) sec-Butylbenzene	13.175	105	692180	52.471	ug/l	100
86) p-Isopropyltoluene	13.291	119	583069	53.479	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	299075	50.987	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	288264	49.741	ug/l	99
89) n-Butylbenzene	13.621	91	533666	52.927	ug/l	100
90) Hexachloroethane	13.883	117	120546	50.454	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	257071	50.346	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	16750	48.476	ug/l	99
93) 1,2,4-Trichlorobenzene	14.925	180	142409	51.429	ug/l	100
94) Hexachlorobutadiene	15.029	225	86891	50.245	ug/l	96
95) Naphthalene	15.145	128	237561	51.759	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	119575	50.640	ug/l	100

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

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