

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021713.D
 Acq On : 31 Mar 2025 12:06
 Operator : SY/MD
 Sample : VY0331SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0331SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/01/2025
 Supervised By :Mahesh Dadoda 04/01/2025

Quant Time: Apr 01 05:34:59 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	214172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	331290	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	291157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	125981	54.291	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.580%			
35) Dibromofluoromethane	7.634	113	121317	56.452	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.900%			
50) Toluene-d8	10.109	98	462747	56.601	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.200%			
62) 4-Bromofluorobenzene	12.407	95	151475	54.776	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	43626	19.653	ug/l	98
3) Chloromethane	2.068	50	60316	19.323	ug/l	98
4) Vinyl Chloride	2.202	62	67633	19.159	ug/l	95
5) Bromomethane	2.586	94	49205	20.437	ug/l	95
6) Chloroethane	2.732	64	44019	19.057	ug/l	95
7) Trichlorofluoromethane	3.056	101	88007	19.462	ug/l	99
8) Diethyl Ether	3.452	74	22584	18.365	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	47657	19.982	ug/l	97
10) Methyl Iodide	4.000	142	48259	18.444	ug/l	100
11) Tert butyl alcohol	4.860	59	12945	85.887	ug/l #	86
12) 1,1-Dichloroethene	3.787	96	43832	19.512	ug/l	97
13) Acrolein	3.653	56	20950	76.124	ug/l	100
14) Allyl chloride	4.385	41	68559	19.141	ug/l	99
15) Acrylonitrile	5.055	53	47958	93.401	ug/l	100
16) Acetone	3.866	43	41350	87.069	ug/l	98
17) Carbon Disulfide	4.104	76	138743	18.751	ug/l	99
18) Methyl Acetate	4.385	43	21339	18.130	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	105013	18.776	ug/l	98
20) Methylene Chloride	4.616	84	52448	20.269	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	47808	19.329	ug/l	98
22) Diisopropyl ether	6.018	45	148556	19.772	ug/l	99
23) Vinyl Acetate	5.957	43	413157	93.995	ug/l	100
24) 1,1-Dichloroethane	5.915	63	89165	19.846	ug/l	99
25) 2-Butanone	6.896	43	60244	88.813	ug/l	99
26) 2,2-Dichloropropane	6.884	77	79081	19.788	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	55430	19.928	ug/l	98
28) Bromochloromethane	7.238	49	37974	20.041	ug/l	99
29) Tetrahydrofuran	7.262	42	38304	87.740	ug/l	98
30) Chloroform	7.421	83	93099	19.923	ug/l	100
31) Cyclohexane	7.695	56	78108	19.072	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	82975	19.646	ug/l	99
36) 1,1-Dichloropropene	7.835	75	65580	20.035	ug/l	99
37) Ethyl Acetate	6.982	43	27891	18.055	ug/l	98
38) Carbon Tetrachloride	7.817	117	74942	19.990	ug/l	99
39) Methylcyclohexane	9.109	83	76173	19.480	ug/l	98
40) Benzene	8.079	78	195801	19.974	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	14249	17.368	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	55480	20.076	ug/l	99
43) Isopropyl Acetate	8.195	43	54406	18.584	ug/l	99
44) Trichloroethene	8.865	130	50660	20.283	ug/l	95
45) 1,2-Dichloropropane	9.140	63	46503	20.041	ug/l	95
46) Dibromomethane	9.231	93	26540	19.846	ug/l	97
47) Bromodichloromethane	9.420	83	69415	20.032	ug/l	99
48) Methyl methacrylate	9.219	41	24181	17.997	ug/l	98
49) 1,4-Dioxane	9.231	88	5551	387.486	ug/l	93
51) 4-Methyl-2-Pentanone	9.999	43	141241	92.710	ug/l	99
52) Toluene	10.170	92	125988	20.600	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	58898	19.136	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	71708	19.749	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	34693	20.160	ug/l	97
56) Ethyl methacrylate	10.438	69	40781	18.559	ug/l	99
57) 1,3-Dichloropropane	10.719	76	58702	19.751	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	103179	96.251	ug/l	100
59) 2-Hexanone	10.761	43	89744	88.452	ug/l	98
60) Dibromochloromethane	10.908	129	46463	19.775	ug/l	98
61) 1,2-Dibromoethane	11.018	107	32020	19.835	ug/l	99
64) Tetrachloroethene	10.646	164	54754	20.648	ug/l	97
65) Chlorobenzene	11.438	112	133977	20.074	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	48015	20.276	ug/l	100
67) Ethyl Benzene	11.517	91	229825	20.081	ug/l	99
68) m/p-Xylenes	11.627	106	175372	40.016	ug/l	100
69) o-Xylene	11.956	106	79832	19.734	ug/l	98
70) Styrene	11.969	104	134656	19.963	ug/l	99
71) Bromoform	12.133	173	26804	19.844	ug/l #	100
73) Isopropylbenzene	12.255	105	213911	19.199	ug/l	100
74) N-amyl acetate	12.072	43	45399	17.361	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	36917	18.429	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	28085m	18.887	ug/l	
77) Bromobenzene	12.529	156	53109	19.852	ug/l	96
78) n-propylbenzene	12.596	91	262582	19.602	ug/l	100
79) 2-Chlorotoluene	12.682	91	154163	19.815	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	180420	19.813	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	11833	18.336	ug/l	98
82) 4-Chlorotoluene	12.779	91	158827	19.581	ug/l	99
83) tert-Butylbenzene	12.999	119	156181	19.256	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	176963	19.662	ug/l	98
85) sec-Butylbenzene	13.176	105	231582	19.537	ug/l	100
86) p-Isopropyltoluene	13.291	119	192703	19.670	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	105477	20.012	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	101406	19.473	ug/l	97
89) n-Butylbenzene	13.621	91	174870	19.301	ug/l	99
90) Hexachloroethane	13.883	117	41057	19.124	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	90863	19.804	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5726	18.442	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	46190	18.564	ug/l	97
94) Hexachlorobutadiene	15.023	225	31077	19.999	ug/l	98
95) Naphthalene	15.145	128	71488	17.334	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	40094	18.897	ug/l	98

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

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