

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
 Data File : VY021797.D
 Acq On : 07 Apr 2025 14:30
 Operator : SY/MD
 Sample : VY0407SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0407SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/08/2025
 Supervised By :Semsettin Yesilyurt 04/08/2025

Quant Time: Apr 08 03:32:51 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	7.713	168	200495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	309489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	273916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	139868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	108296	49.853	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.700%		
35) Dibromofluoromethane	7.634	113	102912	51.261	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.520%		
50) Toluene-d8	10.109	98	400641	52.457	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	104.920%		
62) 4-Bromofluorobenzene	12.407	95	130501	50.516	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	101.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	41256	19.853	ug/l	100
3) Chloromethane	2.068	50	57233	19.586	ug/l	99
4) Vinyl Chloride	2.202	62	64126	19.405	ug/l	99
5) Bromomethane	2.592	94	44239	19.628	ug/l	99
6) Chloroethane	2.732	64	42610	19.705	ug/l	97
7) Trichlorofluoromethane	3.055	101	84739	20.018	ug/l	98
8) Diethyl Ether	3.452	74	22132	19.225	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.811	101	46827	20.973	ug/l	99
10) Methyl Iodide	4.007	142	49308	20.131	ug/l	99
11) Tert butyl alcohol	4.872	59	11661	82.645	ug/l #	87
12) 1,1-Dichloroethene	3.787	96	42296	20.112	ug/l	99
13) Acrolein	3.653	56	12621	48.988	ug/l	95
14) Allyl chloride	4.385	41	65591	19.562	ug/l	100
15) Acrylonitrile	5.061	53	44961	93.538	ug/l	97
16) Acetone	3.872	43	35116	78.986	ug/l	100
17) Carbon Disulfide	4.104	76	131956	19.050	ug/l	99
18) Methyl Acetate	4.385	43	22329	20.265	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	100070	19.113	ug/l	98
20) Methylene Chloride	4.610	84	47875	19.660	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	45825	19.791	ug/l	93
22) Diisopropyl ether	6.024	45	141880	20.171	ug/l	97
23) Vinyl Acetate	5.963	43	381601	92.738	ug/l	98
24) 1,1-Dichloroethane	5.921	63	86420	20.547	ug/l	99
25) 2-Butanone	6.896	43	55209	86.942	ug/l	99
26) 2,2-Dichloropropane	6.890	77	71680	19.159	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	52331	20.097	ug/l	97
28) Bromochloromethane	7.244	49	35838	20.204	ug/l	99
29) Tetrahydrofuran	7.262	42	36656	89.693	ug/l	98
30) Chloroform	7.421	83	89332	20.421	ug/l	97
31) Cyclohexane	7.701	56	74343	19.391	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	80955	20.475	ug/l	99
36) 1,1-Dichloropropene	7.835	75	61474	20.103	ug/l	97
37) Ethyl Acetate	6.988	43	26169	18.133	ug/l	97
38) Carbon Tetrachloride	7.817	117	74956	21.402	ug/l	98
39) Methylcyclohexane	9.109	83	72436	19.829	ug/l	99
40) Benzene	8.079	78	191150	20.873	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	13170	17.184	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	53408	20.687	ug/l	100
43) Isopropyl Acetate	8.195	43	51984	19.008	ug/l	99
44) Trichloroethene	8.865	130	50822	21.781	ug/l	99
45) 1,2-Dichloropropane	9.140	63	45897	21.173	ug/l	99
46) Dibromomethane	9.231	93	25872	20.710	ug/l	98
47) Bromodichloromethane	9.426	83	67634	20.893	ug/l	93
48) Methyl methacrylate	9.219	41	24153	19.242	ug/l	99
49) 1,4-Dioxane	9.231	88	5046	377.046	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	132544	93.129	ug/l	100
52) Toluene	10.170	92	119539	20.922	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	56189	19.542	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	67824	19.995	ug/l	97
55) 1,1,2-Trichloroethane	10.572	97	33126	20.605	ug/l	97
56) Ethyl methacrylate	10.438	69	39397	19.192	ug/l	97
57) 1,3-Dichloropropane	10.719	76	56218	20.248	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	97440	97.301	ug/l	98
59) 2-Hexanone	10.761	43	86798	91.574	ug/l	100
60) Dibromochloromethane	10.914	129	46045	20.977	ug/l	100
61) 1,2-Dibromoethane	11.017	107	30810	20.429	ug/l	100
64) Tetrachloroethene	10.646	164	57115	22.894	ug/l	97
65) Chlorobenzene	11.444	112	128518	20.468	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	45965	20.632	ug/l	98
67) Ethyl Benzene	11.517	91	218884	20.329	ug/l	98
68) m/p-Xylenes	11.627	106	170326	41.311	ug/l	99
69) o-Xylene	11.956	106	77748	20.428	ug/l	99
70) Styrene	11.969	104	130369	20.544	ug/l	99
71) Bromoform	12.133	173	25705	20.228	ug/l #	99
73) Isopropylbenzene	12.255	105	204876	19.721	ug/l	99
74) N-amyl acetate	12.072	43	41651	17.083	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	33128	17.737	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	28509m	20.563	ug/l	
77) Bromobenzene	12.536	156	49860	19.990	ug/l	99
78) n-propylbenzene	12.596	91	254273	20.359	ug/l	100
79) 2-Chlorotoluene	12.682	91	146589	20.208	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	172598	20.328	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	11494	19.102	ug/l	100
82) 4-Chlorotoluene	12.779	91	153495	20.296	ug/l	100
83) tert-Butylbenzene	12.999	119	148005	19.571	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	172378	20.542	ug/l	100
85) sec-Butylbenzene	13.176	105	224962	20.355	ug/l	100
86) p-Isopropyltoluene	13.291	119	187503	20.527	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	100093	20.368	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	98624	20.313	ug/l	97
89) n-Butylbenzene	13.621	91	167537	19.833	ug/l	98
90) Hexachloroethane	13.883	117	40572	20.269	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	88765	20.750	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5701	19.694	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	45065	19.426	ug/l	99
94) Hexachlorobutadiene	15.029	225	30541	21.080	ug/l	99
95) Naphthalene	15.145	128	71449	18.581	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	40066	20.253	ug/l	99

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

