

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
 Data File : VY021685.D
 Acq On : 28 Mar 2025 12:24
 Operator : SY/MD
 Sample : VY0328SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0328SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/31/2025
 Supervised By :Semsettin Yesilyurt 03/31/2025

Quant Time: Mar 28 23:41:29 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	207709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	328404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	287498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	141596	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	116773	51.888	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.780%	
35) Dibromofluoromethane	7.634	113	110855	52.037	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.080%	
50) Toluene-d8	10.103	98	433321	53.468	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.940%	
62) 4-Bromofluorobenzene	12.408	95	142421	51.955	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.900%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	43849	20.368	ug/l	94
3) Chloromethane	2.068	50	61842	20.429	ug/l	97
4) Vinyl Chloride	2.202	62	69470	20.292	ug/l	99
5) Bromomethane	2.592	94	48787	20.894	ug/l	98
6) Chloroethane	2.733	64	44480	19.855	ug/l	97
7) Trichlorofluoromethane	3.056	101	94636	21.579	ug/l	97
8) Diethyl Ether	3.452	74	23218	19.468	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	48344	20.901	ug/l	99
10) Methyl Iodide	4.001	142	48820	19.239	ug/l	100
11) Tert butyl alcohol	4.866	59	12491	85.453	ug/l	95
12) 1,1-Dichloroethene	3.787	96	43800	20.104	ug/l	87
13) Acrolein	3.647	56	22589	84.633	ug/l	94
14) Allyl chloride	4.385	41	69248	19.935	ug/l	98
15) Acrylonitrile	5.061	53	48523	97.442	ug/l	100
16) Acetone	3.866	43	46418	100.781	ug/l	99
17) Carbon Disulfide	4.104	76	142838	19.905	ug/l	97
18) Methyl Acetate	4.385	43	21555	18.883	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	102708	18.935	ug/l	98
20) Methylene Chloride	4.616	84	53224	21.404	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	49255	20.533	ug/l	99
22) Diisopropyl ether	6.019	45	147419	20.231	ug/l	98
23) Vinyl Acetate	5.958	43	412885	96.856	ug/l	98
24) 1,1-Dichloroethane	5.915	63	90869	20.855	ug/l	98
25) 2-Butanone	6.890	43	64185	97.567	ug/l	99
26) 2,2-Dichloropropane	6.884	77	79614	20.541	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	54438	20.180	ug/l	98
28) Bromochloromethane	7.244	49	37051	20.163	ug/l	98
29) Tetrahydrofuran	7.262	42	39638	93.621	ug/l	99
30) Chloroform	7.421	83	93336	20.595	ug/l	98
31) Cyclohexane	7.701	56	79052	19.903	ug/l	92
32) 1,1,1-Trichloroethane	7.616	97	82948	20.251	ug/l	98
36) 1,1-Dichloropropene	7.835	75	65839	20.291	ug/l	99
37) Ethyl Acetate	6.982	43	28313	18.489	ug/l	98
38) Carbon Tetrachloride	7.817	117	76662	20.628	ug/l	93
39) Methylcyclohexane	9.109	83	78364	20.217	ug/l	98
40) Benzene	8.079	78	198341	20.411	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	15982	19.652	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	54766	19.992	ug/l	99
43) Isopropyl Acetate	8.195	43	54618	18.821	ug/l	98
44) Trichloroethene	8.866	130	50135	20.249	ug/l	97
45) 1,2-Dichloropropane	9.140	63	47844	20.800	ug/l	97
46) Dibromomethane	9.225	93	26127	19.709	ug/l	98
47) Bromodichloromethane	9.420	83	69350	20.190	ug/l	99
48) Methyl methacrylate	9.219	41	24730	18.567	ug/l	99
49) 1,4-Dioxane	9.225	88	5301	373.286	ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	141065	93.408	ug/l	98
52) Toluene	10.170	92	124458	20.528	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	60164	19.719	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	71842	19.960	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	33126	19.418	ug/l	99
56) Ethyl methacrylate	10.438	69	39885	18.310	ug/l	99
57) 1,3-Dichloropropane	10.719	76	56862	19.300	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	99990	94.096	ug/l	98
59) 2-Hexanone	10.762	43	93943	93.404	ug/l	100
60) Dibromochloromethane	10.914	129	46418	19.929	ug/l	99
61) 1,2-Dibromoethane	11.012	107	31664	19.786	ug/l	98
64) Tetrachloroethene	10.646	164	54052	20.643	ug/l	97
65) Chlorobenzene	11.444	112	132626	20.124	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	48186	20.607	ug/l	99
67) Ethyl Benzene	11.518	91	226725	20.062	ug/l	99
68) m/p-Xylenes	11.627	106	176980	40.897	ug/l	99
69) o-Xylene	11.957	106	80393	20.125	ug/l	99
70) Styrene	11.969	104	135552	20.352	ug/l	99
71) Bromoform	12.133	173	25811	19.352	ug/l #	97
73) Isopropylbenzene	12.255	105	212230	20.180	ug/l	100
74) N-amyl acetate	12.072	43	45076	18.263	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	36931	19.532	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	27954m	19.916	ug/l	
77) Bromobenzene	12.530	156	50428	19.971	ug/l	98
78) n-propylbenzene	12.597	91	265059	20.964	ug/l	100
79) 2-Chlorotoluene	12.676	91	152672	20.789	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	179200	20.848	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	11206	18.396	ug/l	96
82) 4-Chlorotoluene	12.780	91	157484	20.570	ug/l	99
83) tert-Butylbenzene	12.999	119	154934	20.237	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	176911	20.825	ug/l	99
85) sec-Butylbenzene	13.176	105	232679	20.797	ug/l	100
86) p-Isopropyltoluene	13.292	119	191285	20.686	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	100629	20.227	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	100368	20.420	ug/l	98
89) n-Butylbenzene	13.615	91	176171	20.600	ug/l	98
90) Hexachloroethane	13.877	117	41719	20.588	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	89015	20.554	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5393	18.402	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	44225	18.831	ug/l	100
94) Hexachlorobutadiene	15.023	225	29078	19.825	ug/l	99
95) Naphthalene	15.145	128	66363	17.048	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	35990	17.971	ug/l	97

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

