

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020725\
 Data File : VY021132.D
 Acq On : 07 Feb 2025 11:13
 Operator : SY/MD
 Sample : VY0207SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Quant Time: Feb 08 02:37:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	185601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	293384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	248895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	123887	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	86302	45.383	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.760%
35) Dibromofluoromethane	7.640	113	81221	43.198	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.400%
50) Toluene-d8	10.109	98	307683	42.984	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.960%
62) 4-Bromofluorobenzene	12.408	95	103797	44.386	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.780%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	28855	17.443	ug/l	99
3) Chloromethane	2.074	50	29498	18.071	ug/l	97
4) Vinyl Chloride	2.208	62	29262	17.810	ug/l	99
5) Bromomethane	2.598	94	18271	17.992	ug/l	95
6) Chloroethane	2.739	64	18235	18.644	ug/l	96
7) Trichlorofluoromethane	3.062	101	55344	18.489	ug/l	97
8) Diethyl Ether	3.458	74	18175	19.450	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.824	101	34826	18.538	ug/l	95
10) Methyl Iodide	4.013	142	34071	16.324	ug/l	95
11) Tert butyl alcohol	4.860	59	14119	109.564	ug/l	98
12) 1,1-Dichloroethene	3.793	96	32363	18.288	ug/l	91
13) Acrolein	3.659	56	18582	93.642	ug/l	96
14) Allyl chloride	4.391	41	56562	18.965	ug/l	95
15) Acrylonitrile	5.067	53	40421	103.879	ug/l	99
16) Acetone	3.872	43	30986	104.486	ug/l	97
17) Carbon Disulfide	4.110	76	87096	15.695	ug/l	99
18) Methyl Acetate	4.391	43	21178	20.343	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	89466	20.002	ug/l	98
20) Methylene Chloride	4.622	84	35893	19.469	ug/l	93
21) trans-1,2-Dichloroethene	5.116	96	35825	18.391	ug/l	96
22) Diisopropyl ether	6.018	45	125739	20.453	ug/l	94
23) Vinyl Acetate	5.964	43	342973	100.079	ug/l	97
24) 1,1-Dichloroethane	5.921	63	69855	19.395	ug/l	100
25) 2-Butanone	6.902	43	50527	103.683	ug/l	96
26) 2,2-Dichloropropane	6.890	77	63816	19.148	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	42796	19.087	ug/l	94
28) Bromochloromethane	7.250	49	28243	19.830	ug/l	99
29) Tetrahydrofuran	7.268	42	34165	103.608	ug/l	95
30) Chloroform	7.421	83	72352	19.557	ug/l	99
31) Cyclohexane	7.707	56	58004	17.883	ug/l #	95
32) 1,1,1-Trichloroethane	7.622	97	65960	19.177	ug/l	99
36) 1,1-Dichloropropene	7.841	75	49301	17.703	ug/l	98
37) Ethyl Acetate	6.988	43	25115	20.557	ug/l	98
38) Carbon Tetrachloride	7.823	117	59004	18.133	ug/l	95
39) Methylcyclohexane	9.109	83	59616	17.501	ug/l	95
40) Benzene	8.085	78	151388	18.524	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	10762	15.226	ug/l #	77
42) 1,2-Dichloroethane	8.158	62	43576	19.221	ug/l	97
43) Isopropyl Acetate	8.201	43	47673	19.638	ug/l #	85
44) Trichloroethene	8.865	130	38891	18.419	ug/l	98
45) 1,2-Dichloropropane	9.146	63	37001	19.075	ug/l	99
46) Dibromomethane	9.237	93	19948	18.573	ug/l	94
47) Bromodichloromethane	9.426	83	55524	19.276	ug/l	98
48) Methyl methacrylate	9.225	41	21635	19.565	ug/l	95
49) 1,4-Dioxane	9.231	88	4603	460.376	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	123974	101.556	ug/l	96
52) Toluene	10.176	92	96246	18.755	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	49912	19.298	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	58181	18.998	ug/l	92
55) 1,1,2-Trichloroethane	10.579	97	27296	19.626	ug/l	98
56) Ethyl methacrylate	10.444	69	36177	19.444	ug/l	92
57) 1,3-Dichloropropane	10.719	76	47240	19.624	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	86112	97.284	ug/l	99
59) 2-Hexanone	10.761	43	80844	102.856	ug/l	96
60) Dibromochloromethane	10.914	129	37596	19.249	ug/l	100
61) 1,2-Dibromoethane	11.018	107	25174	19.324	ug/l	99
64) Tetrachloroethene	10.652	164	33725	18.253	ug/l	96
65) Chlorobenzene	11.444	112	105975	19.122	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	37674	19.129	ug/l	96
67) Ethyl Benzene	11.524	91	186196	18.995	ug/l	97
68) m/p-Xylenes	11.633	106	140132	38.213	ug/l	96
69) o-Xylene	11.956	106	65995	19.303	ug/l	98
70) Styrene	11.975	104	111864	19.631	ug/l	98
71) Bromoform	12.133	173	22337	20.376	ug/l #	100
73) Isopropylbenzene	12.261	105	178698	18.466	ug/l	100
74) N-amyl acetate	12.072	43	41674	19.697	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	30969	19.242	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	22239m	19.789	ug/l	
77) Bromobenzene	12.536	156	41376	18.528	ug/l	95
78) n-propylbenzene	12.597	91	217301	18.850	ug/l	98
79) 2-Chlorotoluene	12.682	91	123446	18.697	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	147542	18.805	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	10041	18.231	ug/l	95
82) 4-Chlorotoluene	12.779	91	128335	19.077	ug/l	98
83) tert-Butylbenzene	13.005	119	137035	19.215	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	147568	19.236	ug/l	100
85) sec-Butylbenzene	13.182	105	193366	18.836	ug/l	98
86) p-Isopropyltoluene	13.298	119	160120	18.777	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	80694	18.714	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	79923	18.825	ug/l	97
89) n-Butylbenzene	13.621	91	148310	19.064	ug/l	99
90) Hexachloroethane	13.883	117	33034	18.569	ug/l	87
91) 1,2-Dichlorobenzene	13.663	146	72622	19.404	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5018	20.864	ug/l	92
93) 1,2,4-Trichlorobenzene	14.925	180	40892	19.629	ug/l	99
94) Hexachlorobutadiene	15.029	225	26899	19.485	ug/l	98
95) Naphthalene	15.151	128	67643	20.296	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	34771	20.056	ug/l	98

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

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