

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122024\
 Data File : VY020666.D
 Acq On : 20 Dec 2024 13:12
 Operator : SY/MD
 Sample : VY1220SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1220SBS01

Quant Time: Dec 20 18:08:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121724S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 18 05:27:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	157442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	237485	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	207752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	116933	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	74322	43.102	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.200%
35) Dibromofluoromethane	7.634	113	77189	46.118	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.240%
50) Toluene-d8	10.109	98	273250	46.643	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.280%
62) 4-Bromofluorobenzene	12.407	95	101336	44.220	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	88.440%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	46496	23.644	ug/l	99
3) Chloromethane	2.074	50	24398	16.744	ug/l	97
4) Vinyl Chloride	2.208	62	21407	15.785	ug/l	97
5) Bromomethane	2.598	94	12985	14.895	ug/l	97
6) Chloroethane	2.732	64	11282	13.462	ug/l	91
7) Trichlorofluoromethane	3.062	101	47245	16.649	ug/l	98
8) Diethyl Ether	3.458	74	13504	13.569	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.824	101	32580	16.018	ug/l	94
10) Methyl Iodide	4.007	142	38530	17.014	ug/l	98
11) Tert butyl alcohol	4.854	59	18773	80.656	ug/l #	94
12) 1,1-Dichloroethene	3.793	96	31773	16.099	ug/l	94
13) Acrolein	3.659	56	5627	69.014	ug/l	97
14) Allyl chloride	4.385	41	56459	16.326	ug/l	96
15) Acrylonitrile	5.061	53	46605	97.887	ug/l	99
16) Acetone	3.872	43	23242	63.034	ug/l	99
17) Carbon Disulfide	4.110	76	111849	17.411	ug/l	99
18) Methyl Acetate	4.385	43	17854	15.218	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	101223	19.872	ug/l	97
20) Methylene Chloride	4.616	84	38027	17.737	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	47558	21.482	ug/l	97
22) Diisopropyl ether	6.018	45	147396	20.998	ug/l	94
23) Vinyl Acetate	5.963	43	401517	100.993	ug/l	99
24) 1,1-Dichloroethane	5.915	63	87971	21.392	ug/l	99
25) 2-Butanone	6.896	43	58734	91.655	ug/l	98
26) 2,2-Dichloropropane	6.884	77	82041	21.104	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	53177	20.878	ug/l	99
28) Bromochloromethane	7.250	49	23622	17.030	ug/l	100
29) Tetrahydrofuran	7.268	42	38523	95.228	ug/l	99
30) Chloroform	7.427	83	92559	19.148	ug/l	97
31) Cyclohexane	7.701	56	83030	21.116	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	81959	21.694	ug/l	99
36) 1,1-Dichloropropene	7.835	75	67060	21.973	ug/l #	91
37) Ethyl Acetate	6.988	43	26953	18.775	ug/l	97
38) Carbon Tetrachloride	7.823	117	75634	22.399	ug/l	99
39) Methylcyclohexane	9.109	83	87624	22.028	ug/l	98
40) Benzene	8.079	78	197331	22.058	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	14883	19.610	ug/l	93
42) 1,2-Dichloroethane	8.158	62	49803	20.991	ug/l	100
43) Isopropyl Acetate	8.201	43	54326	19.989	ug/l	99
44) Trichloroethene	8.865	130	48185	21.921	ug/l	95
45) 1,2-Dichloropropane	9.140	63	45779	21.896	ug/l	99
46) Dibromomethane	9.231	93	23641	21.396	ug/l	96
47) Bromodichloromethane	9.426	83	63960	21.429	ug/l	99
48) Methyl methacrylate	9.219	41	25905	20.050	ug/l	99
49) 1,4-Dioxane	9.225	88	4698	370.747	ug/l #	93
51) 4-Methyl-2-Pentanone	9.999	43	135892	94.726	ug/l	99
52) Toluene	10.170	92	122615	22.055	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	89982	32.354	ug/l	94
54) cis-1,3-Dichloropropene	9.859	75	70570	21.413	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	30195	20.669	ug/l	98
56) Ethyl methacrylate	10.438	69	42515	20.060	ug/l	99
57) 1,3-Dichloropropane	10.713	76	66722	25.621	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.713	63	91434	102.533	ug/l #	71
59) 2-Hexanone	10.761	43	90691	98.464	ug/l	97
60) Dibromochloromethane	10.914	129	41185	21.080	ug/l	100
61) 1,2-Dibromoethane	11.017	107	28561	21.018	ug/l	99
64) Tetrachloroethene	10.646	164	42833	21.919	ug/l	92
65) Chlorobenzene	11.444	112	129331	22.264	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	43055	21.675	ug/l	97
67) Ethyl Benzene	11.517	91	238433	22.248	ug/l	98
68) m/p-Xylenes	11.627	106	178050	44.684	ug/l #	30
69) o-Xylene	11.956	106	82478	22.185	ug/l	99
70) Styrene	11.969	104	136494	21.974	ug/l	99
71) Bromoform	12.133	173	23329	20.889	ug/l #	98
73) Isopropylbenzene	12.255	105	221703	21.727	ug/l	99
74) N-amyl acetate	12.072	43	47848	20.036	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	34416	20.778	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	27051m	22.270	ug/l	
77) Bromobenzene	12.536	156	47306	21.282	ug/l	98
78) n-propylbenzene	12.596	91	270238	21.981	ug/l	99
79) 2-Chlorotoluene	12.682	91	150281	21.727	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	180725	21.827	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	11746	20.297	ug/l	99
82) 4-Chlorotoluene	12.779	91	156322	21.784	ug/l	99
83) tert-Butylbenzene	12.999	119	156978	20.934	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	199323	24.542	ug/l	95
85) sec-Butylbenzene	13.176	105	237258	21.761	ug/l	100
86) p-Isopropyltoluene	13.291	119	198272	22.057	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	94820	21.610	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	94077	21.648	ug/l	98
89) n-Butylbenzene	13.621	91	189919	22.293	ug/l	100
90) Hexachloroethane	13.883	117	38301	21.500	ug/l	99
91) 1,2-Dichlorobenzene	13.663	146	81571	21.456	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	9414	35.007	ug/l	57
93) 1,2,4-Trichlorobenzene	14.925	180	49266	21.424	ug/l	98
94) Hexachlorobutadiene	15.029	225	32852	21.854	ug/l	99
95) Naphthalene	15.151	128	80228	20.350	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	41397	21.307	ug/l	99

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

