

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020524\
 Data File : VY017218.D
 Acq On : 05 Feb 2024 09:41
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 06 01:10:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.813	168	136683	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.709	114	224221	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	193547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.446	152	87419	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	50639	41.472	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.940%
35) Dibromofluoromethane	7.740	113	54041	44.638	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.280%
50) Toluene-d8	10.203	98	202818	46.013	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.020%
62) 4-Bromofluorobenzene	12.501	95	64123	44.408	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.820%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.918	85	47197	45.550	ug/l	98
3) Chloromethane	2.125	50	90642	48.696	ug/l	99
4) Vinyl Chloride	2.265	62	105401	46.466	ug/l	99
5) Bromomethane	2.674	94	70086	44.573	ug/l	97
6) Chloroethane	2.814	64	71086	48.535	ug/l	99
7) Trichlorofluoromethane	3.143	101	156735	67.196	ug/l	98
8) Diethyl Ether	3.552	74	34741	47.351	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.918	101	71373	50.478	ug/l	100
10) Methyl Iodide	4.119	142	73943	49.744	ug/l	98
11) Tert butyl alcohol	5.052	59	15653m	145.407	ug/l	
12) 1,1-Dichloroethene	3.893	96	65854	49.705	ug/l	99
13) Acrolein	3.759	56	20741	202.791	ug/l	99
14) Allyl chloride	4.509	41	98777	49.316	ug/l	100
15) Acrylonitrile	5.204	53	69857	211.469	ug/l	99
16) Acetone	3.991	43	76389	212.853	ug/l	97
17) Carbon Disulfide	4.216	76	208267	49.244	ug/l	99
18) Methyl Acetate	4.509	43	37041	46.266	ug/l	99
19) Methyl tert-butyl Ether	5.253	73	145805	45.695	ug/l	100
20) Methylene Chloride	4.747	84	73539	50.034	ug/l	96
21) trans-1,2-Dichloroethene	5.253	96	75100	49.827	ug/l	98
22) Diisopropyl ether	6.149	45	215704	49.040	ug/l	99
23) Vinyl Acetate	6.088	43	610522	229.077	ug/l	99
24) 1,1-Dichloroethane	6.045	63	129896	48.208	ug/l	99
25) 2-Butanone	7.027	43	94533	198.146	ug/l	96
26) 2,2-Dichloropropane	7.008	77	110386	49.252	ug/l	100
27) cis-1,2-Dichloroethene	7.015	96	82521	48.953	ug/l	98
28) Bromochloromethane	7.362	49	47756	46.288	ug/l	97
29) Tetrahydrofuran	7.380	42	55318	205.258	ug/l	100
30) Chloroform	7.533	83	131584	48.545	ug/l	99
31) Cyclohexane	7.813	56	118946	48.330	ug/l	99
32) 1,1,1-Trichloroethane	7.728	97	115164	49.394	ug/l	99
36) 1,1-Dichloropropene	7.941	75	107053	51.263	ug/l	100
37) Ethyl Acetate	7.106	43	44636	46.085	ug/l	96
38) Carbon Tetrachloride	7.923	117	104037	52.033	ug/l	99
39) Methylcyclohexane	9.203	83	130415	53.456	ug/l	99
40) Benzene	8.185	78	303242	50.849	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	22141	48.248	ug/l	98
42) 1,2-Dichloroethane	8.258	62	73839	46.765	ug/l	99
43) Isopropyl Acetate	8.295	43	76081	44.373	ug/l	99
44) Trichloroethene	8.959	130	78357	51.762	ug/l	97
45) 1,2-Dichloropropane	9.240	63	72659	49.603	ug/l	96
46) Dibromomethane	9.325	93	37290	47.127	ug/l	98
47) Bromodichloromethane	9.514	83	96377	48.670	ug/l	97
48) Methyl methacrylate	9.313	41	36603	45.513	ug/l	100
49) 1,4-Dioxane	9.380	88	7343m	852.605	ug/l	
51) 4-Methyl-2-Pentanone	10.093	43	210527	229.060	ug/l	99
52) Toluene	10.264	92	187778	52.166	ug/l	99
53) t-1,3-Dichloropropene	10.483	75	90618	48.718	ug/l	98
54) cis-1,3-Dichloropropene	9.947	75	111432	50.016	ug/l	99
55) 1,1,2-Trichloroethane	10.666	97	52145	48.437	ug/l	97
56) Ethyl methacrylate	10.526	69	63342	44.108	ug/l	99
57) 1,3-Dichloropropane	10.807	76	91020	49.156	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.801	63	179607	267.799	ug/l	100
59) 2-Hexanone	10.849	43	153714	231.288	ug/l	98
60) Dibromochloromethane	11.002	129	61874	48.992	ug/l	98
61) 1,2-Dibromoethane	11.105	107	47693	47.634	ug/l	99
64) Tetrachloroethene	10.740	164	63925	50.856	ug/l	99
65) Chlorobenzene	11.532	112	188473	50.479	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.605	131	68347	50.372	ug/l	98
67) Ethyl Benzene	11.611	91	354967	52.604	ug/l	99
68) m/p-Xylenes	11.721	106	269347	105.182	ug/l	100
69) o-Xylene	12.044	106	123367	52.314	ug/l	100
70) Styrene	12.062	104	206059	53.033	ug/l	99
71) Bromoform	12.227	173	34966	49.207	ug/l #	96
73) Isopropylbenzene	12.349	105	335528	52.246	ug/l	99
74) N-amyl acetate	12.160	43	68167	47.239	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.599	83	58225	46.096	ug/l	98
76) 1,2,3-Trichloropropane	12.648	75	39052m	48.400	ug/l	
77) Bromobenzene	12.623	156	71038	49.869	ug/l	95
78) n-propylbenzene	12.690	91	412872	52.345	ug/l	100
79) 2-Chlorotoluene	12.776	91	218651	50.423	ug/l	98
80) 1,3,5-Trimethylbenzene	12.831	105	268103	52.491	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.398	75	17910	46.123	ug/l	99
82) 4-Chlorotoluene	12.873	91	227190	50.906	ug/l	99
83) tert-Butylbenzene	13.093	119	236606	54.042	ug/l	99
84) 1,2,4-Trimethylbenzene	13.135	105	263762	52.318	ug/l	98
85) sec-Butylbenzene	13.270	105	359436	52.528	ug/l	99
86) p-Isopropyltoluene	13.385	119	290683	53.160	ug/l	99
87) 1,3-Dichlorobenzene	13.385	146	143453	50.480	ug/l	99
88) 1,4-Dichlorobenzene	13.465	146	139240	50.434	ug/l	99
89) n-Butylbenzene	13.715	91	280482	53.950	ug/l	100
90) Hexachloroethane	13.977	117	57515	51.236	ug/l	98
91) 1,2-Dichlorobenzene	13.757	146	122222	50.521	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.373	75	7776	47.262	ug/l	98
93) 1,2,4-Trichlorobenzene	15.025	180	67334	56.035	ug/l	98
94) Hexachlorobutadiene	15.129	225	39890	56.363	ug/l	100
95) Naphthalene	15.251	128	124076	51.001	ug/l	100
96) 1,2,3-Trichlorobenzene	15.440	180	57742	56.499	ug/l	98

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

