

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080123\
 Data File : VY014921.D
 Acq On : 01 Aug 2023 09:57
 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: Aug 02 01:54:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	292213	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	489155	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	441937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	223042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	187896	56.427	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.860%	
35) Dibromofluoromethane	7.716	113	174070	55.902	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.800%	
50) Toluene-d8	10.179	98	604573	52.663	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.320%	
62) 4-Bromofluorobenzene	12.477	95	222692	50.590	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.180%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	100090	42.042	ug/l	99
3) Chloromethane	2.113	50	150376	56.191	ug/l	98
4) Vinyl Chloride	2.247	62	173867	58.133	ug/l	98
5) Bromomethane	2.644	94	131022	66.289	ug/l	99
6) Chloroethane	2.790	64	122881	65.774	ug/l	98
7) Trichlorofluoromethane	3.119	101	256744	51.112	ug/l	100
8) Diethyl Ether	3.528	74	102150	54.656	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.893	101	152525	49.540	ug/l	96
10) Methyl Iodide	4.089	142	182633	55.675	ug/l	98
11) Tert butyl alcohol	4.954	59	185388	272.719	ug/l #	86
12) 1,1-Dichloroethene	3.869	96	142712	49.595	ug/l	93
13) Acrolein	3.729	56	53819	154.635	ug/l	100
14) Allyl chloride	4.479	41	246234	48.194	ug/l	97
15) Acrylonitrile	5.155	53	312778	303.487	ug/l	99
16) Acetone	3.948	43	279813	265.176	ug/l	93
17) Carbon Disulfide	4.192	76	358710	43.542	ug/l	98
18) Methyl Acetate	4.473	43	252727	62.412	ug/l	93
19) Methyl tert-butyl Ether	5.222	73	530086	56.710	ug/l	100
20) Methylene Chloride	4.710	84	241549	72.353	ug/l	92
21) trans-1,2-Dichloroethene	5.216	96	164749	50.450	ug/l	97
22) Diisopropyl ether	6.119	45	551047	53.049	ug/l #	91
23) Vinyl Acetate	6.058	43	1682992	270.742	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	318441	53.577	ug/l	97
25) 2-Butanone	6.984	43	445819	288.790	ug/l	97
26) 2,2-Dichloropropane	6.978	77	296612	52.362	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	207635	54.625	ug/l	96
28) Bromochloromethane	7.332	49	144608	56.492	ug/l	93
29) Tetrahydrofuran	7.344	42	280734	295.333	ug/l	91
30) Chloroform	7.503	83	340029	55.478	ug/l	96
31) Cyclohexane	7.783	56	236369	42.761	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	294772	53.437	ug/l	99
36) 1,1-Dichloropropene	7.917	75	235725	50.621	ug/l	100
37) Ethyl Acetate	7.070	43	185236	57.776	ug/l	97
38) Carbon Tetrachloride	7.899	117	258616	52.538	ug/l	98
39) Methylcyclohexane	9.179	83	274887	45.311	ug/l	94
40) Benzene	8.161	78	697432	52.661	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	83668m	50.736	ug/l	
42) 1,2-Dichloroethane	8.234	62	236089	56.293	ug/l	95
43) Isopropyl Acetate	8.271	43	339234	55.545	ug/l	97
44) Trichloroethene	8.941	130	193908	52.330	ug/l	96
45) 1,2-Dichloropropane	9.216	63	183080	52.940	ug/l	97
46) Dibromomethane	9.301	93	116945	55.742	ug/l	96
47) Bromodichloromethane	9.496	83	272077	55.025	ug/l	98
48) Methyl methacrylate	9.289	41	151055	54.967	ug/l	94
49) 1,4-Dioxane	9.295	88	39820	1164.024	ug/l #	60
51) 4-Methyl-2-Pentanone	10.069	43	964084	300.655	ug/l	94
52) Toluene	10.240	92	448203	52.887	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	284580	52.616	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	309564	52.632	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	165078	56.488	ug/l	98
56) Ethyl methacrylate	10.508	69	244753	54.853	ug/l	90
57) 1,3-Dichloropropane	10.789	76	279163	55.384	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	534634	257.156	ug/l	95
59) 2-Hexanone	10.831	43	694040	296.796	ug/l	93
60) Dibromochloromethane	10.984	129	202497	56.516	ug/l	100
61) 1,2-Dibromoethane	11.087	107	160853	55.175	ug/l	100
64) Tetrachloroethene	10.721	164	181702	51.121	ug/l	97
65) Chlorobenzene	11.514	112	496664	52.738	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	193696	54.550	ug/l	99
67) Ethyl Benzene	11.593	91	882080	51.876	ug/l	99
68) m/p-Xylenes	11.703	106	675589	104.086	ug/l	96
69) o-Xylene	12.026	106	330506	52.279	ug/l	98
70) Styrene	12.044	104	564005	52.933	ug/l	98
71) Bromoform	12.209	173	135451	56.277	ug/l #	99
73) Isopropylbenzene	12.331	105	872661	49.968	ug/l	100
74) N-amyl acetate	12.142	43	298761	51.078	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	215997	54.235	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	157932m	56.065	ug/l	
77) Bromobenzene	12.605	156	209681	52.598	ug/l	97
78) n-propylbenzene	12.666	91	1047941	49.796	ug/l	100
79) 2-Chlorotoluene	12.758	91	592552	48.885	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	730275	50.070	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	70890	48.725	ug/l	96
82) 4-Chlorotoluene	12.855	91	610209	48.880	ug/l	99
83) tert-Butylbenzene	13.075	119	654165	50.561	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	721652	50.417	ug/l	98
85) sec-Butylbenzene	13.252	105	956703	50.408	ug/l	100
86) p-Isopropyltoluene	13.367	119	796063	51.372	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	408888	52.700	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	403753	51.930	ug/l	99
89) n-Butylbenzene	13.697	91	741265	49.168	ug/l	96
90) Hexachloroethane	13.959	117	159250	50.033	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	377590	53.118	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	40003	52.522	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	238562	52.867	ug/l	98
94) Hexachlorobutadiene	15.111	225	125546	50.629	ug/l	99
95) Naphthalene	15.233	128	580479	55.216	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	214472	53.479	ug/l	98

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

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