

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022824\
 Data File : VY017511.D
 Acq On : 28 Feb 2024 10:36
 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 28 23:09:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	171231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	257008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	226150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113304	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	64520	39.758	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.520%
35) Dibromofluoromethane	7.716	113	78013	43.560	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.120%
50) Toluene-d8	10.179	98	294662	47.058	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.120%
62) 4-Bromofluorobenzene	12.483	95	92003	46.752	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.500%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	57361	45.413	ug/l	98
3) Chloromethane	2.113	50	106702	46.234	ug/l	96
4) Vinyl Chloride	2.247	62	136105	45.970	ug/l	99
5) Bromomethane	2.650	94	111415	46.177	ug/l	94
6) Chloroethane	2.790	64	88720	47.501	ug/l	100
7) Trichlorofluoromethane	3.119	101	144294	47.818	ug/l	96
8) Diethyl Ether	3.528	74	41863	47.301	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.893	101	84399	48.626	ug/l	99
10) Methyl Iodide	4.088	142	96923	49.758	ug/l	99
11) Tert butyl alcohol	4.954	59	24653	178.843	ug/l #	81
12) 1,1-Dichloroethene	3.869	96	78993	48.835	ug/l	96
13) Acrolein	3.729	56	45845	252.055	ug/l	98
14) Allyl chloride	4.479	41	94245	48.220	ug/l	97
15) Acrylonitrile	5.161	53	83166	228.589	ug/l	99
16) Acetone	3.942	43	78269	248.663	ug/l	95
17) Carbon Disulfide	4.192	76	228077	46.976	ug/l	97
18) Methyl Acetate	4.479	43	35833	46.925	ug/l	99
19) Methyl tert-butyl Ether	5.216	73	180226	47.803	ug/l	99
20) Methylene Chloride	4.716	84	88358	47.506	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	92669	48.930	ug/l	96
22) Diisopropyl ether	6.119	45	219056	48.570	ug/l	97
23) Vinyl Acetate	6.058	43	641482	238.686	ug/l	99
24) 1,1-Dichloroethane	6.015	63	148748	48.275	ug/l	99
25) 2-Butanone	6.984	43	106308	236.992	ug/l	99
26) 2,2-Dichloropropane	6.978	77	130081	50.212	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	104481	49.134	ug/l	98
28) Bromochloromethane	7.332	49	67545	55.661	ug/l	95
29) Tetrahydrofuran	7.350	42	62793	232.220	ug/l	99
30) Chloroform	7.509	83	161494	49.228	ug/l	100
31) Cyclohexane	7.783	56	125292	47.442	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	141017	49.513	ug/l	98
36) 1,1-Dichloropropene	7.917	75	123996	51.316	ug/l	100
37) Ethyl Acetate	7.076	43	44239	46.355	ug/l #	97
38) Carbon Tetrachloride	7.905	117	128620	53.111	ug/l	97
39) Methylcyclohexane	9.185	83	151691	52.237	ug/l	98
40) Benzene	8.161	78	364080	50.737	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	25300m	52.828	ug/l	
42) 1,2-Dichloroethane	8.234	62	84657	48.353	ug/l	98
43) Isopropyl Acetate	8.277	43	80869	48.221	ug/l	99
44) Trichloroethene	8.941	130	103861	50.216	ug/l	97
45) 1,2-Dichloropropane	9.216	63	85662	50.176	ug/l	100
46) Dibromomethane	9.307	93	48008	49.135	ug/l	95
47) Bromodichloromethane	9.496	83	121511	51.219	ug/l	99
48) Methyl methacrylate	9.295	41	37919	48.847	ug/l	97
49) 1,4-Dioxane	9.301	88	11370	1028.257	ug/l #	91
51) 4-Methyl-2-Pentanone	10.069	43	225773	241.552	ug/l	98
52) Toluene	10.246	92	235144	51.980	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	111353	50.569	ug/l	97
54) cis-1,3-Dichloropropene	9.929	75	136826	51.138	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	68815	49.605	ug/l	97
56) Ethyl methacrylate	10.508	69	79889	46.973	ug/l	97
57) 1,3-Dichloropropane	10.788	76	111274	49.335	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	223848	279.632	ug/l	98
59) 2-Hexanone	10.831	43	166459	259.278	ug/l	97
60) Dibromochloromethane	10.984	129	83099	50.636	ug/l	100
61) 1,2-Dibromoethane	11.087	107	63963	50.034	ug/l	100
64) Tetrachloroethene	10.721	164	100767	46.423	ug/l	100
65) Chlorobenzene	11.514	112	249307	51.937	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	93649	52.076	ug/l	99
67) Ethyl Benzene	11.593	91	448833	53.316	ug/l	98
68) m/p-Xylenes	11.703	106	355837	107.572	ug/l	99
69) o-Xylene	12.026	106	166162	54.144	ug/l	97
70) Styrene	12.044	104	275117	54.008	ug/l	98
71) Bromoform	12.209	173	52214	52.396	ug/l #	97
73) Isopropylbenzene	12.331	105	436269	51.827	ug/l	99
74) N-amyl acetate	12.142	43	75017	50.528	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	75515	52.241	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	51818m	48.133	ug/l	
77) Bromobenzene	12.611	156	102990	50.522	ug/l	94
78) n-propylbenzene	12.672	91	530372	52.510	ug/l	99
79) 2-Chlorotoluene	12.758	91	284468	50.304	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	356575	52.873	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	23185	49.485	ug/l	97
82) 4-Chlorotoluene	12.855	91	293335	50.715	ug/l	97
83) tert-Butylbenzene	13.075	119	314667	53.135	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	350796	52.688	ug/l	99
85) sec-Butylbenzene	13.251	105	480711	53.093	ug/l	99
86) p-Isopropyltoluene	13.367	119	397897	53.684	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	210018	51.327	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	203691	51.204	ug/l	98
89) n-Butylbenzene	13.696	91	363591	53.768	ug/l	99
90) Hexachloroethane	13.959	117	77018	51.832	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	177989	51.427	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9373	46.124	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	99982	54.691	ug/l	100
94) Hexachlorobutadiene	15.111	225	58943	52.222	ug/l	98
95) Naphthalene	15.239	128	167343	47.457	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	84719	54.019	ug/l	99

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

