

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072524\
 Data File : VY018912.D
 Acq On : 25 Jul 2024 11:04
 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: Jul 26 03:32:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 14:28:51 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	102976	50.000	ug/l	0.03
34) 1,4-Difluorobenzene	8.722	114	154398	50.000	ug/l	0.04
63) Chlorobenzene-d5	11.563	117	136732	50.000	ug/l	0.08
72) 1,4-Dichlorobenzene-d4	13.538	152	68912	50.000	ug/l	0.12

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.167	65	46556	45.945	ug/l	0.04
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.880%
35) Dibromofluoromethane	7.734	113	48404	50.054	ug/l	0.03
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.100%
50) Toluene-d8	10.234	98	168373	45.957	ug/l	0.06
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.920%
62) 4-Bromofluorobenzene	12.575	95	58928	47.099	ug/l	0.10
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.900	85	36531	42.337	ug/l	97
3) Chloromethane	2.107	50	52795	40.264	ug/l	98
4) Vinyl Chloride	2.241	62	64554	42.085	ug/l	100
5) Bromomethane	2.637	94	49507	46.922	ug/l	96
6) Chloroethane	2.784	64	45882	46.042	ug/l	98
7) Trichlorofluoromethane	3.113	101	93289	46.543	ug/l	96
8) Diethyl Ether	3.515	74	24397	49.940	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.881	101	48782	47.435	ug/l	96
10) Methyl Iodide	4.076	142	56612	51.121	ug/l	92
11) Tert butyl alcohol	4.948	59	18100	176.330	ug/l #	92
12) 1,1-Dichloroethene	3.857	96	47881	48.128	ug/l	94
13) Acrolein	3.723	56	8248	100.291	ug/l	99
14) Allyl chloride	4.466	41	59918	48.614	ug/l	91
15) Acrylonitrile	5.149	53	49334	255.982	ug/l	98
16) Acetone	3.936	43	50900	272.462	ug/l	96
17) Carbon Disulfide	4.180	76	114355	41.050	ug/l	99
18) Methyl Acetate	4.466	43	25714	47.372	ug/l	98
19) Methyl tert-butyl Ether	5.210	73	117653	50.978	ug/l	95
20) Methylene Chloride	4.698	84	57259	54.575	ug/l	98
21) trans-1,2-Dichloroethene	5.204	96	49415	47.061	ug/l	98
22) Diisopropyl ether	6.112	45	130675	48.741	ug/l #	88
23) Vinyl Acetate	6.045	43	534614	253.107	ug/l	97
24) 1,1-Dichloroethane	6.003	63	83775	48.940	ug/l	97
25) 2-Butanone	6.990	43	67922	259.380	ug/l	94
26) 2,2-Dichloropropane	6.990	77	78680	49.538	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	60897	49.814	ug/l	98
28) Bromochloromethane	7.344	49	35912	52.234	ug/l	97
29) Tetrahydrofuran	7.362	42	41786	260.288	ug/l	92
30) Chloroform	7.521	83	97338	51.022	ug/l	98
31) Cyclohexane	7.801	56	65927	42.349	ug/l	99
32) 1,1,1-Trichloroethane	7.716	97	89914	50.684	ug/l	99
36) 1,1-Dichloropropene	7.941	75	64538	48.360	ug/l	97
37) Ethyl Acetate	7.082	43	29282	52.788	ug/l	94
38) Carbon Tetrachloride	7.917	117	80886	50.323	ug/l	93
39) Methylcyclohexane	9.222	83	80624	47.143	ug/l	99
40) Benzene	8.185	78	197930	51.127	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	15910m	50.307	ug/l	
42) 1,2-Dichloroethane	8.258	62	56152	51.806	ug/l	95
43) Isopropyl Acetate	8.301	43	56881	51.533	ug/l #	81
44) Trichloroethene	8.978	130	56213	50.797	ug/l	99
45) 1,2-Dichloropropane	9.258	63	42695	50.645	ug/l	94
46) Dibromomethane	9.344	93	28750	52.613	ug/l	96
47) Bromodichloromethane	9.545	83	74829	54.816	ug/l	100
48) Methyl methacrylate	9.337	41	25099	50.028	ug/l #	86
49) 1,4-Dioxane	9.337	88	6669	1041.136	ug/l #	90
51) 4-Methyl-2-Pentanone	10.124	43	150838	267.661	ug/l	94
52) Toluene	10.301	92	130467	50.704	ug/l	97
53) t-1,3-Dichloropropene	10.526	75	62882	53.351	ug/l	94
54) cis-1,3-Dichloropropene	9.978	75	73347	53.045	ug/l #	86
55) 1,1,2-Trichloroethane	10.703	97	37752	54.558	ug/l	98
56) Ethyl methacrylate	10.569	69	48815	53.583	ug/l #	85
57) 1,3-Dichloropropane	10.855	76	60064	52.363	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.831	63	116879	268.539	ug/l	92
59) 2-Hexanone	10.898	43	108236	274.535	ug/l	90
60) Dibromochloromethane	11.051	129	53098	55.848	ug/l	99
61) 1,2-Dibromoethane	11.154	107	35183	52.300	ug/l	97
64) Tetrachloroethene	10.782	164	57141	51.630	ug/l	98
65) Chlorobenzene	11.587	112	146639	50.839	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.666	131	53899	54.236	ug/l	96
67) Ethyl Benzene	11.666	91	252430	49.957	ug/l	100
68) m/p-Xylenes	11.782	106	198180m	99.947	ug/l	
69) o-Xylene	12.111	106	95715	51.344	ug/l	99
70) Styrene	12.130	104	162904	52.373	ug/l	96
71) Bromoform	12.294	173	30420	56.158	ug/l #	97
73) Isopropylbenzene	12.416	105	252878	50.140	ug/l	99
74) N-amyl acetate	12.233	43	51906	50.325	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.678	83	39622	49.834	ug/l	98
76) 1,2,3-Trichloropropane	12.727	75	26642m	49.362	ug/l	
77) Bromobenzene	12.703	156	60812	50.507	ug/l	93
78) n-propylbenzene	12.770	91	288945	48.244	ug/l	96
79) 2-Chlorotoluene	12.849	91	163836	48.650	ug/l	95
80) 1,3,5-Trimethylbenzene	12.910	105	206931	50.145	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.465	75	12590m	52.206	ug/l	
82) 4-Chlorotoluene	12.849	91	163924	47.271	ug/l	95
83) tert-Butylbenzene	13.178	119	190317	49.954	ug/l	97
84) 1,2,4-Trimethylbenzene	13.227	105	201855	49.225	ug/l	98
85) sec-Butylbenzene	13.361	105	264104	48.838	ug/l	95
86) p-Isopropyltoluene	13.477	119	232691	49.843	ug/l	95
87) 1,3-Dichlorobenzene	13.477	146	119142	50.383	ug/l	98
88) 1,4-Dichlorobenzene	13.556	146	115031m	49.080	ug/l	
89) n-Butylbenzene	13.812	91	207038	48.917	ug/l	98
90) Hexachloroethane	14.087	117	44843	51.650	ug/l	96
91) 1,2-Dichlorobenzene	13.855	146	102233	50.048	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.483	75	6446	50.034	ug/l	93
93) 1,2,4-Trichlorobenzene	15.160	180	63869	51.220	ug/l	97
94) Hexachlorobutadiene	15.269	225	38796	53.978	ug/l	97
95) Naphthalene	15.397	128	106662	49.862	ug/l	98
96) 1,2,3-Trichlorobenzene	15.599	180	52959	49.637	ug/l	98

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

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