

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111023\
 Data File : VY016297.D
 Acq On : 10 Nov 2023 10:27
 Operator : SY/MD
 Sample : VY1110SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1110SBS01

Quant Time: Nov 10 22:17:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	166675	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	267599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	233639	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	109870	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	79140	51.951	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.900%	
35) Dibromofluoromethane	7.734	113	80658	53.060	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.120%	
50) Toluene-d8	10.191	98	323764	52.521	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.040%	
62) 4-Bromofluorobenzene	12.489	95	105636	52.762	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.520%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	35145	21.535	ug/l	96
3) Chloromethane	2.119	50	39190	20.504	ug/l	98
4) Vinyl Chloride	2.253	62	40607	19.757	ug/l	96
5) Bromomethane	2.656	94	26555	19.660	ug/l	98
6) Chloroethane	2.796	64	25748	19.633	ug/l	95
7) Trichlorofluoromethane	3.131	101	63029	21.078	ug/l	95
8) Diethyl Ether	3.534	74	18753	20.984	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.905	101	38129	21.171	ug/l	93
10) Methyl Iodide	4.101	142	38410	19.747	ug/l	97
11) Tert butyl alcohol	4.960	59	12172	102.037	ug/l #	82
12) 1,1-Dichloroethene	3.887	96	35292	20.953	ug/l	85
13) Acrolein	3.735	56	14920	103.694	ug/l	100
14) Allyl chloride	4.491	41	49214	20.590	ug/l #	93
15) Acrylonitrile	5.174	53	38362	108.165	ug/l	96
16) Acetone	3.954	43	24850	98.619	ug/l #	89
17) Carbon Disulfide	4.204	76	100849	19.845	ug/l	98
18) Methyl Acetate	4.485	43	28389	21.203	ug/l #	89
19) Methyl tert-butyl Ether	5.234	73	83791	20.554	ug/l	97
20) Methylene Chloride	4.729	84	47632	25.019	ug/l	87
21) trans-1,2-Dichloroethene	5.234	96	39567	20.403	ug/l	89
22) Diisopropyl ether	6.131	45	108374	21.039	ug/l	89
23) Vinyl Acetate	6.076	43	260381	104.323	ug/l #	93
24) 1,1-Dichloroethane	6.033	63	66072	20.792	ug/l	95
25) 2-Butanone	6.996	43	44637	101.136	ug/l	91
26) 2,2-Dichloropropane	6.996	77	59440	20.552	ug/l	97
27) cis-1,2-Dichloroethene	7.002	96	43025	20.587	ug/l	92
28) Bromochloromethane	7.344	49	24455	20.793	ug/l	90
29) Tetrahydrofuran	7.368	42	31555	108.168	ug/l	90
30) Chloroform	7.521	83	67724	20.474	ug/l	93
31) Cyclohexane	7.801	56	59631	19.882	ug/l #	82
32) 1,1,1-Trichloroethane	7.716	97	64036	21.120	ug/l	98
36) 1,1-Dichloropropene	7.929	75	54513	20.652	ug/l	100
37) Ethyl Acetate	7.088	43	22590	21.181	ug/l #	94
38) Carbon Tetrachloride	7.917	117	58355	21.301	ug/l	97
39) Methylcyclohexane	9.191	83	67355	20.478	ug/l	95
40) Benzene	8.173	78	153798	20.739	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	12488	23.223	ug/l #	87
42) 1,2-Dichloroethane	8.246	62	41276	21.481	ug/l	92
43) Isopropyl Acetate	8.283	43	43427	21.065	ug/l #	90
44) Trichloroethene	8.953	130	44266	20.769	ug/l	99
45) 1,2-Dichloropropane	9.228	63	37849	21.251	ug/l	99
46) Dibromomethane	9.319	93	20036	20.760	ug/l	97
47) Bromodichloromethane	9.508	83	52056	20.980	ug/l	99
48) Methyl methacrylate	9.301	41	24178	21.221	ug/l	86
49) 1,4-Dioxane	9.313	88	4337	423.274	ug/l #	68
51) 4-Methyl-2-Pentanone	10.081	43	111649	107.099	ug/l	90
52) Toluene	10.252	92	98216	20.951	ug/l	95
53) t-1,3-Dichloropropene	10.477	75	49914	20.751	ug/l	99
54) cis-1,3-Dichloropropene	9.941	75	60690	21.125	ug/l	90
55) 1,1,2-Trichloroethane	10.654	97	28346	21.309	ug/l	96
56) Ethyl methacrylate	10.520	69	26277	20.926	ug/l #	85
57) 1,3-Dichloropropane	10.801	76	48233	21.271	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.795	63	89864	105.541	ug/l	94
59) 2-Hexanone	10.837	43	85046	109.677	ug/l	89
60) Dibromochloromethane	10.996	129	35700	21.458	ug/l	100
61) 1,2-Dibromoethane	11.099	107	27609	21.785	ug/l	100
64) Tetrachloroethene	10.727	164	43799	20.878	ug/l	95
65) Chlorobenzene	11.526	112	103024	20.639	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	37920	20.596	ug/l	97
67) Ethyl Benzene	11.599	91	186570	20.797	ug/l	99
68) m/p-Xylenes	11.709	106	140597	41.320	ug/l	97
69) o-Xylene	12.038	106	66198	20.954	ug/l	95
70) Styrene	12.050	104	94628	20.919	ug/l	98
71) Bromoform	12.215	173	20627	21.591	ug/l #	98
73) Isopropylbenzene	12.337	105	181700	20.422	ug/l	100
74) N-amyl acetate	12.154	43	36443	20.392	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.593	83	30330	21.245	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	19686m	18.678	ug/l	
77) Bromobenzene	12.617	156	40887	20.333	ug/l	95
78) n-propylbenzene	12.678	91	214718	20.421	ug/l	100
79) 2-Chlorotoluene	12.764	91	116968	20.186	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	147929	20.622	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	10315	21.243	ug/l	89
82) 4-Chlorotoluene	12.861	91	121671	20.321	ug/l	99
83) tert-Butylbenzene	13.081	119	127352	20.156	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	144912	20.517	ug/l	98
85) sec-Butylbenzene	13.264	105	185457	20.546	ug/l	100
86) p-Isopropyltoluene	13.379	119	160962	20.709	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	79277	20.492	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	78072	20.650	ug/l	98
89) n-Butylbenzene	13.702	91	147837	20.596	ug/l	98
90) Hexachloroethane	13.971	117	30007	20.014	ug/l	94
91) 1,2-Dichlorobenzene	13.745	146	68624	20.701	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4510	19.856	ug/l	95
93) 1,2,4-Trichlorobenzene	15.013	180	39575	20.452	ug/l	99
94) Hexachlorobutadiene	15.117	225	23556	21.249	ug/l	98
95) Naphthalene	15.245	128	69949	20.212	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	32104	20.059	ug/l	98

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

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