

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111023\
 Data File : VY016314.D
 Acq On : 10 Nov 2023 19:09
 Operator : SY/MD
 Sample : VSTDC0050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDC0050EC

Quant Time: Nov 10 22:24:45 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	147870	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	247585	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	219252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	101679	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	74204	54.906	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.820%	
35) Dibromofluoromethane	7.734	113	74808	53.190	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.380%	
50) Toluene-d8	10.191	98	297658	52.190	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.380%	
62) 4-Bromofluorobenzene	12.495	95	97710	52.748	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.500%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	68578	47.364	ug/l	96
3) Chloromethane	2.119	50	84893	50.063	ug/l	97
4) Vinyl Chloride	2.253	62	89179	48.908	ug/l	99
5) Bromomethane	2.655	94	60492	50.481	ug/l	97
6) Chloroethane	2.802	64	59912	51.493	ug/l	96
7) Trichlorofluoromethane	3.131	101	136085	51.298	ug/l	99
8) Diethyl Ether	3.539	74	43990	55.483	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.911	101	79028	49.460	ug/l	95
10) Methyl Iodide	4.106	142	90092	52.207	ug/l	98
11) Tert butyl alcohol	4.972	59	26851	253.716	ug/l #	81
12) 1,1-Dichloroethene	3.881	96	76800	51.396	ug/l	88
13) Acrolein	3.741	56	26714	209.274	ug/l	98
14) Allyl chloride	4.497	41	111984	52.811	ug/l #	92
15) Acrylonitrile	5.173	53	88767	282.116	ug/l	97
16) Acetone	3.960	43	59744	267.250	ug/l	92
17) Carbon Disulfide	4.210	76	230021	51.019	ug/l	99
18) Methyl Acetate	4.490	43	73201	61.623	ug/l	92
19) Methyl tert-butyl Ether	5.234	73	198808	54.970	ug/l	98
20) Methylene Chloride	4.734	84	92722	59.365	ug/l	88
21) trans-1,2-Dichloroethene	5.234	96	90282	52.475	ug/l	96
22) Diisopropyl ether	6.130	45	250134	54.735	ug/l	90
23) Vinyl Acetate	6.076	43	587673	265.396	ug/l #	94
24) 1,1-Dichloroethane	6.033	63	152826	54.208	ug/l	97
25) 2-Butanone	6.996	43	106648	272.367	ug/l	91
26) 2,2-Dichloropropane	6.996	77	129681	50.540	ug/l	96
27) cis-1,2-Dichloroethene	7.002	96	101399	54.688	ug/l	90
28) Bromochloromethane	7.350	49	58179	55.759	ug/l	88
29) Tetrahydrofuran	7.362	42	72665	280.767	ug/l	90
30) Chloroform	7.520	83	160346	54.641	ug/l	97
31) Cyclohexane	7.801	56	126890	47.688	ug/l	91
32) 1,1,1-Trichloroethane	7.716	97	143660	53.406	ug/l	98
36) 1,1-Dichloropropene	7.935	75	122215	50.044	ug/l	100
37) Ethyl Acetate	7.088	43	50374	51.051	ug/l #	94
38) Carbon Tetrachloride	7.917	117	128250	50.600	ug/l	99
39) Methylcyclohexane	9.197	83	142069	46.686	ug/l	93
40) Benzene	8.173	78	356230	51.918	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	29176	58.641	ug/l	94
42) 1,2-Dichloroethane	8.252	62	96371	54.208	ug/l	94
43) Isopropyl Acetate	8.283	43	99412	52.120	ug/l #	90
44) Trichloroethene	8.953	130	101511	51.478	ug/l	97
45) 1,2-Dichloropropane	9.227	63	87876	53.329	ug/l	100
46) Dibromomethane	9.319	93	47816	53.548	ug/l	97
47) Bromodichloromethane	9.508	83	123386	53.747	ug/l	97
48) Methyl methacrylate	9.307	41	56721	53.808	ug/l	85
49) 1,4-Dioxane	9.307	88	10487	1106.226	ug/l #	50
51) 4-Methyl-2-Pentanone	10.081	43	255676	265.083	ug/l	89
52) Toluene	10.258	92	227348	52.418	ug/l	94
53) t-1,3-Dichloropropene	10.477	75	120754	54.260	ug/l	98
54) cis-1,3-Dichloropropene	9.941	75	142223	53.506	ug/l #	88
55) 1,1,2-Trichloroethane	10.660	97	66727	54.216	ug/l	94
56) Ethyl methacrylate	10.520	69	63655	54.790	ug/l #	83
57) 1,3-Dichloropropane	10.800	76	113516	54.109	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.794	63	215209	273.184	ug/l	93
59) 2-Hexanone	10.843	43	174996	243.922	ug/l	87
60) Dibromochloromethane	10.995	129	85606	55.615	ug/l	99
61) 1,2-Dibromoethane	11.105	107	64335	54.868	ug/l	100
64) Tetrachloroethene	10.733	164	102515	52.073	ug/l	97
65) Chlorobenzene	11.532	112	240740	51.392	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.605	131	91073	52.712	ug/l	97
67) Ethyl Benzene	11.605	91	430109	51.090	ug/l	99
68) m/p-Xylenes	11.715	106	325925	102.072	ug/l	95
69) o-Xylene	12.044	106	154531	52.124	ug/l	97
70) Styrene	12.056	104	227272	53.538	ug/l	98
71) Bromoform	12.221	173	48280	53.853	ug/l #	100
73) Isopropylbenzene	12.343	105	407999	49.552	ug/l	100
74) N-amyl acetate	12.154	43	82530	49.901	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.593	83	67894	51.387	ug/l	100
76) 1,2,3-Trichloropropane	12.641	75	51387m	52.683	ug/l	
77) Bromobenzene	12.623	156	95400	51.265	ug/l	95
78) n-propylbenzene	12.684	91	475850	48.903	ug/l	100
79) 2-Chlorotoluene	12.770	91	269364	50.231	ug/l	99
80) 1,3,5-Trimethylbenzene	12.824	105	330577	49.797	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.392	75	23389	52.048	ug/l	91
82) 4-Chlorotoluene	12.867	91	280049	50.540	ug/l	99
83) tert-Butylbenzene	13.087	119	284734	48.696	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	329419	50.396	ug/l	98
85) sec-Butylbenzene	13.263	105	402642	48.200	ug/l	100
86) p-Isopropyltoluene	13.379	119	350259	48.694	ug/l	98
87) 1,3-Dichlorobenzene	13.379	146	179895	50.247	ug/l	99
88) 1,4-Dichlorobenzene	13.458	146	176132	50.339	ug/l	100
89) n-Butylbenzene	13.708	91	315899	47.555	ug/l	97
90) Hexachloroethane	13.970	117	67933	48.959	ug/l	92
91) 1,2-Dichlorobenzene	13.751	146	156317	50.953	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	10110	48.095	ug/l	84
93) 1,2,4-Trichlorobenzene	15.019	180	87489	48.857	ug/l	98
94) Hexachlorobutadiene	15.123	225	46723	45.542	ug/l	98
95) Naphthalene	15.245	128	165969	51.821	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	72973	49.268	ug/l	98

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

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