

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021423\
 Data File : VY012577.D
 Acq On : 14 Feb 2023 09:52
 Operator : KP/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 15 04:23:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	121054	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	174737	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	161015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89977	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	81456	52.916	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.840%	
35) Dibromofluoromethane	7.716	113	70196	55.162	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.320%	
50) Toluene-d8	10.179	98	283250	53.477	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.960%	
62) 4-Bromofluorobenzene	12.483	95	98128	53.114	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.220%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	37584	43.481	ug/l	99
3) Chloromethane	2.113	50	37941	40.226	ug/l	98
4) Vinyl Chloride	2.253	62	51556	43.875	ug/l	98
5) Bromomethane	2.650	94	41757	48.598	ug/l	97
6) Chloroethane	2.796	64	37727	46.126	ug/l	99
7) Trichlorofluoromethane	3.131	101	117513	48.654	ug/l	100
8) Diethyl Ether	3.534	74	34634	48.359	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.906	101	58534	47.992	ug/l	99
10) Methyl Iodide	4.095	142	79258	50.127	ug/l	97
11) Tert butyl alcohol	4.948	59	33337	223.333	ug/l	95
12) 1,1-Dichloroethene	3.875	96	55888	46.376	ug/l	98
13) Acrolein	3.729	56	46444	256.646	ug/l	99
14) Allyl chloride	4.479	41	65436	44.534	ug/l	96
15) Acrylonitrile	5.161	53	83831	253.714	ug/l	98
16) Acetone	3.948	43	103038	278.107	ug/l	97
17) Carbon Disulfide	4.198	76	129049	41.285	ug/l	98
18) Methyl Acetate	4.473	43	43649	49.015	ug/l	99
19) Methyl tert-butyl Ether	5.222	73	183892	52.147	ug/l	96
20) Methylene Chloride	4.716	84	63801	45.736	ug/l	100
21) trans-1,2-Dichloroethene	5.222	96	62015	47.185	ug/l	93
22) Diisopropyl ether	6.119	45	141344	47.308	ug/l	95
23) Vinyl Acetate	6.058	43	449625	249.633	ug/l	98
24) 1,1-Dichloroethane	6.021	63	100211	46.919	ug/l	98
25) 2-Butanone	6.984	43	104759	254.844	ug/l	95
26) 2,2-Dichloropropane	6.984	77	114178	48.655	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	73940	48.478	ug/l	99
28) Bromochloromethane	7.332	49	40833	52.594	ug/l	94
29) Tetrahydrofuran	7.344	42	56904	256.057	ug/l	95
30) Chloroform	7.509	83	126704	49.203	ug/l	97
31) Cyclohexane	7.783	56	73681	41.399	ug/l	92
32) 1,1,1-Trichloroethane	7.704	97	126627	50.674	ug/l	100
36) 1,1-Dichloropropene	7.917	75	83208	48.313	ug/l	98
37) Ethyl Acetate	7.076	43	39463	50.780	ug/l	99
38) Carbon Tetrachloride	7.899	117	120523	52.132	ug/l	100
39) Methylcyclohexane	9.185	83	98135	47.353	ug/l	96
40) Benzene	8.161	78	246775	48.512	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	17790m	41.784	ug/l	
42) 1,2-Dichloroethane	8.240	62	86701	52.586	ug/l	99
43) Isopropyl Acetate	8.271	43	75602	52.469	ug/l	99
44) Trichloroethene	8.941	130	75864	48.992	ug/l	99
45) 1,2-Dichloropropane	9.216	63	52826	47.892	ug/l	96
46) Dibromomethane	9.307	93	38510	52.728	ug/l	98
47) Bromodichloromethane	9.496	83	98358	51.940	ug/l	98
48) Methyl methacrylate	9.295	41	34219	51.956	ug/l	93
49) 1,4-Dioxane	9.295	88	12098	1199.944	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	214078	275.378	ug/l	100
52) Toluene	10.246	92	172494	50.005	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	100681	52.762	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	103495	50.119	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	56608	53.045	ug/l	96
56) Ethyl methacrylate	10.508	69	72384	53.987	ug/l	97
57) 1,3-Dichloropropane	10.789	76	90048	52.283	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	191979	318.561	ug/l	97
59) 2-Hexanone	10.831	43	165149	281.109	ug/l	100
60) Dibromochloromethane	10.984	129	77612	54.558	ug/l	98
61) 1,2-Dibromoethane	11.087	107	52719	52.723	ug/l	99
64) Tetrachloroethene	10.721	164	73917	43.972	ug/l	97
65) Chlorobenzene	11.514	112	193469	50.660	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	79947	53.421	ug/l	97
67) Ethyl Benzene	11.593	91	340495	50.785	ug/l	100
68) m/p-Xylenes	11.703	106	273606	102.237	ug/l	100
69) o-Xylene	12.032	106	132621	52.036	ug/l	100
70) Styrene	12.044	104	225641	52.203	ug/l	99
71) Bromoform	12.209	173	53306	56.352	ug/l #	99
73) Isopropylbenzene	12.331	105	361716	49.688	ug/l	99
74) N-amyl acetate	12.142	43	66656	50.582	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	62462	53.065	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	54486m	54.201	ug/l	
77) Bromobenzene	12.611	156	88215	49.997	ug/l	97
78) n-propylbenzene	12.672	91	411020	49.054	ug/l	100
79) 2-Chlorotoluene	12.758	91	233606	49.113	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	312915	49.933	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	22057	49.480	ug/l	97
82) 4-Chlorotoluene	12.855	91	240544	48.209	ug/l	100
83) tert-Butylbenzene	13.075	119	274902	50.024	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	313025	50.765	ug/l	99
85) sec-Butylbenzene	13.251	105	393657	50.073	ug/l	100
86) p-Isopropyltoluene	13.367	119	349159	51.195	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	174617	49.739	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	174947	49.749	ug/l	99
89) n-Butylbenzene	13.697	91	294299	50.489	ug/l	99
90) Hexachloroethane	13.965	117	61110	48.816	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	157263	49.796	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	13181	56.271	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	103898	53.095	ug/l	99
94) Hexachlorobutadiene	15.111	225	61547	50.629	ug/l	99
95) Naphthalene	15.239	128	215081	57.255	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	92003	54.316	ug/l	100

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

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