

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102821\
 Data File : VW020714.D
 Acq On : 28 Oct 2021 11:13
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 10/29/2021 4:39:08 PM

Quant Time: Oct 29 04:58:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W102821S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 29 04:51:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.952	168	110389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	158692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.628	117	149694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	76824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	100229	92.370	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 184.740%#			
35) Dibromofluoromethane	7.885	113	89321	95.948	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 191.900%#			
50) Toluene-d8	10.323	98	336802	96.407	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 192.820%#			
62) 4-Bromofluorobenzene	12.615	95	129175	98.009	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 196.020%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.008	85	36857	135.927	ug/l	99
3) Chloromethane	2.215	50	72293	109.528	ug/l	95
4) Vinyl Chloride	2.355	62	87191	112.875	ug/l	98
5) Bromomethane	2.764	94	34383	110.016	ug/l	95
6) Chloroethane	2.910	64	25054	130.366	ug/l	98
7) Trichlorofluoromethane	3.245	101	40332	110.974	ug/l	93
8) Diethyl Ether	3.678	74	50316	111.702	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.056	101	97880	109.963	ug/l	99
10) Methyl Iodide	4.275	142	122753	122.422	ug/l	98
11) Tert butyl alcohol	5.178	59	29546	511.634	ug/l	99
12) 1,1-Dichloroethene	4.038	96	98901	113.990	ug/l	98
13) Acrolein	3.891	56	13571	534.527	ug/l	97
14) Allyl chloride	4.666	41	149179	111.801	ug/l	100
15) Acrylonitrile	5.367	53	116376	551.848	ug/l	100
16) Acetone	4.123	43	135810	559.421	ug/l	99
17) Carbon Disulfide	4.385	76	276063	114.953	ug/l	98
18) Methyl Acetate	4.666	43	83047	107.032	ug/l	99
19) Methyl tert-butyl Ether	5.428	73	132152	111.148	ug/l	99
20) Methylene Chloride	4.916	84	98603	85.566	ug/l	97
21) trans-1,2-Dichloroethene	5.422	96	106694	109.950	ug/l	97
22) Diisopropyl ether	6.312	45	311555	111.932	ug/l	99
23) Vinyl Acetate	6.257	43	878681	580.136	ug/l	99
24) 1,1-Dichloroethane	6.214	63	195258	109.440	ug/l	99
25) 2-Butanone	7.171	43	163281	559.375	ug/l	99
26) 2,2-Dichloropropane	7.165	77	105943	106.719	ug/l	100
27) cis-1,2-Dichloroethene	7.171	96	118703	111.836	ug/l	100
28) Bromochloromethane	7.513	49	82458	99.463	ug/l #	100
29) Tetrahydrofuran	7.531	42	99179	561.538	ug/l	98
30) Chloroform	7.677	83	198537	106.589	ug/l	99
31) Cyclohexane	7.958	56	188969	103.923	ug/l	98
32) 1,1,1-Trichloroethane	7.872	97	154274	108.178	ug/l	99
36) 1,1-Dichloropropene	8.080	75	159679	112.793	ug/l	99
37) Ethyl Acetate	7.251	43	66834	110.626	ug/l	99
38) Carbon Tetrachloride	8.067	117	143766	110.272	ug/l	99
39) Methylcyclohexane	9.336	83	200160	117.011	ug/l	99
40) Benzene	8.323	78	437524	107.684	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	43782	123.183	ug/l	91
42) 1,2-Dichloroethane	8.403	62	134729	107.890	ug/l	100
43) Isopropyl Acetate	8.427	43	132143	114.194	ug/l	100
44) Trichloroethene	9.092	130	118845	111.337	ug/l	96
45) 1,2-Dichloropropane	9.366	63	105405	109.988	ug/l	98
46) Dibromomethane	9.457	93	57517	110.452	ug/l	98
47) Bromodichloromethane	9.646	83	146545	110.860	ug/l	98
48) Methyl methacrylate	9.433	41	67230	122.907	ug/l	94
49) 1,4-Dioxane	9.445	88	16264	2355.823	ug/l	99
51) 4-Methyl-2-Pentanone	10.207	43	344527	569.119	ug/l	99
52) Toluene	10.390	92	282625	113.804	ug/l	99
53) t-1,3-Dichloropropene	10.604	75	154725	116.180	ug/l	100
54) cis-1,3-Dichloropropene	10.073	75	176125	114.961	ug/l	99
55) 1,1,2-Trichloroethane	10.786	97	79848	109.924	ug/l	95
56) Ethyl methacrylate	10.646	69	111812	123.241	ug/l	99
57) 1,3-Dichloropropane	10.933	76	141186	111.424	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.921	63	231334	537.693	ug/l	99
59) 2-Hexanone	10.969	43	248491	580.431	ug/l	100
60) Dibromochloromethane	11.128	129	100047	115.248	ug/l	98
61) 1,2-Dibromoethane	11.232	107	77085	110.886	ug/l	99
64) Tetrachloroethene	10.860	164	100680	105.615	ug/l	97
65) Chlorobenzene	11.658	112	294139	108.356	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.731	131	108084	109.252	ug/l	100
67) Ethyl Benzene	11.731	91	556207	113.105	ug/l	100
68) m/p-Xylenes	11.835	106	431025	226.276	ug/l	99
69) o-Xylene	12.164	106	202673	115.595	ug/l	99
70) Styrene	12.183	104	347056	115.473	ug/l	99
71) Bromoform	12.347	173	58517	108.217	ug/l #	98
73) Isopropylbenzene	12.463	105	551983	119.024	ug/l	99
74) N-amyl acetate	12.268	43	129572	121.966	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.713	83	92343	112.882	ug/l	98
76) 1,2,3-Trichloropropane	12.768	75	73563m	178.531	ug/l	
77) Bromobenzene	12.743	156	125792	112.060	ug/l	96
78) n-propylbenzene	12.804	91	666370	116.562	ug/l	99
79) 2-Chlorotoluene	12.890	91	386946	117.521	ug/l	99
80) 1,3,5-Trimethylbenzene	12.939	105	472161	116.991	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.512	75	31854	120.799	ug/l	98
82) 4-Chlorotoluene	12.987	91	399776	114.399	ug/l	99
83) tert-Butylbenzene	13.207	119	403508	117.605	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	474875	118.154	ug/l	100
85) sec-Butylbenzene	13.384	105	607771	117.750	ug/l	99
86) p-Isopropyltoluene	13.493	119	513971	117.279	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	255429	111.021	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	252808	110.143	ug/l	99
89) n-Butylbenzene	13.823	91	481395	116.862	ug/l	99
90) Hexachloroethane	14.091	117	91655	114.897	ug/l	98
91) 1,2-Dichlorobenzene	13.865	146	223354	110.876	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.481	75	16138	110.634	ug/l	97
93) 1,2,4-Trichlorobenzene	15.127	180	158296	114.558	ug/l	98
94) Hexachlorobutadiene	15.231	225	101259	113.408	ug/l	97
95) Naphthalene	15.365	128	284705	123.917	ug/l	99
96) 1,2,3-Trichlorobenzene	15.554	180	139840	112.692	ug/l	96

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

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