

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090821\
 Data File : VW019997.D
 Acq On : 08 Sep 2021 12:13
 Operator : SY/VA
 Sample : VW0908SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:50:09 AM

Quant Time: Sep 09 04:09:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W090721S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 08 12:18:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.952	168	190624	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	292425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	263928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	134992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	102623	46.374	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.740%
35) Dibromofluoromethane	7.891	113	93996	48.947	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.900%
50) Toluene-d8	10.329	98	356470	49.936	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.880%
62) 4-Bromofluorobenzene	12.621	95	133027	50.364	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.014	85	23593	20.380	ug/l	96
3) Chloromethane	2.221	50	33585	19.490	ug/l	99
4) Vinyl Chloride	2.373	62	57289	20.503	ug/l	98
5) Bromomethane	2.788	94	45344	20.017	ug/l	99
6) Chloroethane	2.928	64	39101	20.315	ug/l	99
7) Trichlorofluoromethane	3.263	101	33207	20.772	ug/l	93
8) Diethyl Ether	3.690	74	19014	19.423	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.074	101	42285	20.258	ug/l	99
10) Methyl Iodide	4.281	142	56499	19.764	ug/l	100
11) Tert butyl alcohol	5.202	59	12458	117.616	ug/l #	79
12) 1,1-Dichloroethene	4.050	96	39956	20.315	ug/l	95
13) Acrolein	3.903	56	7971	98.761	ug/l	92
14) Allyl chloride	4.678	41	52006	19.441	ug/l	99
15) Acrylonitrile	5.373	53	40547	99.398	ug/l	98
16) Acetone	4.135	43	33364	93.869	ug/l	100
17) Carbon Disulfide	4.391	76	116656	19.490	ug/l	97
18) Methyl Acetate	4.678	43	20401	20.218	ug/l	97
19) Methyl tert-butyl Ether	5.440	73	51086	19.686	ug/l	93
20) Methylene Chloride	4.922	84	53496	21.407	ug/l	98
21) trans-1,2-Dichloroethene	5.428	96	43472	19.459	ug/l	98
22) Diisopropyl ether	6.318	45	108618	19.162	ug/l	98
23) Vinyl Acetate	6.263	43	295176	96.490	ug/l	100
24) 1,1-Dichloroethane	6.226	63	78481	19.552	ug/l	98
25) 2-Butanone	7.177	43	50527	99.154	ug/l	96
26) 2,2-Dichloropropane	7.171	77	50298	20.723	ug/l	98
27) cis-1,2-Dichloroethene	7.177	96	46722	19.584	ug/l	99
28) Bromochloromethane	7.519	49	28509	17.894	ug/l	97
29) Tetrahydrofuran	7.537	42	31726	100.072	ug/l	98
30) Chloroform	7.683	83	81256	19.211	ug/l	97
31) Cyclohexane	7.964	56	71596	19.846	ug/l	97
32) 1,1,1-Trichloroethane	7.878	97	67283	19.659	ug/l	98
36) 1,1-Dichloropropene	8.086	75	64316	20.908	ug/l	100
37) Ethyl Acetate	7.257	43	23609	20.874	ug/l	98
38) Carbon Tetrachloride	8.073	117	63791	20.337	ug/l	94
39) Methylcyclohexane	9.342	83	76025	21.325	ug/l	96
40) Benzene	8.329	78	173002	20.416	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.488	41	12896	20.599	ug/l	95
42) 1,2-Dichloroethane	8.403	62	52300	20.101	ug/l	99
43) Isopropyl Acetate	8.427	43	43118	20.087	ug/l	100
44) Trichloroethene	9.098	130	46891	21.090	ug/l	94
45) 1,2-Dichloropropane	9.372	63	41252	20.021	ug/l	96
46) Dibromomethane	9.463	93	23522	20.236	ug/l	98
47) Bromodichloromethane	9.646	83	57268	19.775	ug/l	97
48) Methyl methacrylate	9.439	41	20331	22.153	ug/l	93
49) 1,4-Dioxane	9.470	88	6065	402.544	ug/l #	98
51) 4-Methyl-2-Pentanone	10.213	43	114934	103.265	ug/l	99
52) Toluene	10.390	92	111180	20.724	ug/l	99
53) t-1,3-Dichloropropene	10.610	75	55501	19.978	ug/l	99
54) cis-1,3-Dichloropropene	10.073	75	64258	19.868	ug/l	96
55) 1,1,2-Trichloroethane	10.786	97	31615	20.069	ug/l	92
56) Ethyl methacrylate	10.646	69	35692	20.101	ug/l	99
57) 1,3-Dichloropropane	10.933	76	54959	20.336	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.927	63	86473	107.502	ug/l	100
59) 2-Hexanone	10.969	43	76561	102.932	ug/l	99
60) Dibromochloromethane	11.128	129	36284	19.896	ug/l	99
61) 1,2-Dibromoethane	11.238	107	29865	20.247	ug/l	99
64) Tetrachloroethene	10.866	164	38948	21.267	ug/l	98
65) Chlorobenzene	11.658	112	114078	20.110	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.731	131	40789	20.176	ug/l	99
67) Ethyl Benzene	11.731	91	210305	21.014	ug/l	98
68) m/p-Xylenes	11.841	106	163926	41.504	ug/l	98
69) o-Xylene	12.170	106	73399	19.449	ug/l	100
70) Styrene	12.182	104	126799	19.770	ug/l	97
71) Bromoform	12.347	173	19213	19.303	ug/l #	99
73) Isopropylbenzene	12.463	105	202125	20.355	ug/l	100
74) N-amyl acetate	12.274	43	40170	20.372	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.713	83	36702	20.925	ug/l	99
76) 1,2,3-Trichloropropane	12.768	75	25347m	20.214	ug/l	
77) Bromobenzene	12.749	156	46594	21.029	ug/l	98
78) n-propylbenzene	12.804	91	263678	20.857	ug/l	100
79) 2-Chlorotoluene	12.890	91	147177	21.023	ug/l	99
80) 1,3,5-Trimethylbenzene	12.945	105	178961	20.221	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.512	75	10845	20.656	ug/l	95
82) 4-Chlorotoluene	12.987	91	154925	21.050	ug/l	100
83) tert-Butylbenzene	13.207	119	148772	20.346	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	179156	20.646	ug/l	97
85) sec-Butylbenzene	13.383	105	235186	20.793	ug/l	99
86) p-Isopropyltoluene	13.499	119	193525	20.363	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	99078	21.090	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	97063	20.818	ug/l	99
89) n-Butylbenzene	13.822	91	188183	20.681	ug/l	99
90) Hexachloroethane	14.091	117	35237	20.452	ug/l	96
91) 1,2-Dichlorobenzene	13.871	146	85078	20.850	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.481	75	5920	20.570	ug/l	99
93) 1,2,4-Trichlorobenzene	15.133	180	51935	20.875	ug/l	99
94) Hexachlorobutadiene	15.237	225	32576	22.046	ug/l	97
95) Naphthalene	15.365	128	91292	20.340	ug/l	100
96) 1,2,3-Trichlorobenzene	15.554	180	46020	21.103	ug/l	98

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

