

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062121\
 Data File : VW019242.D
 Acq On : 21 Jun 2021 10:37
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/22/2021 6:11:10 PM

Quant Time: Jun 21 11:31:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W062121S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 21 11:29:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.952	168	367631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	618752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	559995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	272362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	89375	19.534	ug/l	0.00
Spiked Amount 50.000			Recovery	=	39.060%	
35) Dibromofluoromethane	7.891	113	78441	18.889	ug/l	0.00
Spiked Amount 50.000			Recovery	=	37.780%	
50) Toluene-d8	10.323	98	316302	18.625	ug/l	0.00
Spiked Amount 50.000			Recovery	=	37.240%	
62) 4-Bromofluorobenzene	12.621	95	106180	17.820	ug/l	0.00
Spiked Amount 50.000			Recovery	=	35.640%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.014	85	46843	18.200	ug/l	96
3) Chloromethane	2.215	50	57218	19.831	ug/l	100
4) Vinyl Chloride	2.367	62	94524	21.121	ug/l	97
5) Bromomethane	2.788	94	78561	21.919	ug/l	97
6) Chloroethane	2.928	64	65329	22.052	ug/l	99
7) Trichlorofluoromethane	3.269	101	54595	21.131	ug/l	91
8) Diethyl Ether	3.690	74	40632	20.089	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.074	101	80550	20.729	ug/l	97
10) Methyl Iodide	4.281	142	105136	19.240	ug/l	98
11) Tert butyl alcohol	5.208	59	20386	91.213	ug/l	96
12) 1,1-Dichloroethene	4.050	96	80197	19.868	ug/l	91
13) Acrolein	3.903	56	23948	87.290	ug/l	99
14) Allyl chloride	4.672	41	106749	19.779	ug/l	98
15) Acrylonitrile	5.379	53	84353	111.375	ug/l	99
16) Acetone	4.147	43	67070	94.709	ug/l	96
17) Carbon Disulfide	4.391	76	235566	21.225	ug/l	99
18) Methyl Acetate	4.684	43	35700	18.906	ug/l	97
19) Methyl tert-butyl Ether	5.434	73	109905	22.047	ug/l	95
20) Methylene Chloride	4.922	84	106751	20.819	ug/l	93
21) trans-1,2-Dichloroethene	5.428	96	90258	20.062	ug/l	95
22) Diisopropyl ether	6.312	45	240883	22.672	ug/l	96
23) Vinyl Acetate	6.263	43	706413	102.313	ug/l	98
24) 1,1-Dichloroethane	6.220	63	167687	20.645	ug/l	99
25) 2-Butanone	7.177	43	102133	98.234	ug/l	99
26) 2,2-Dichloropropane	7.171	77	93016	20.189	ug/l	97
27) cis-1,2-Dichloroethene	7.171	96	98556	19.940	ug/l	96
28) Bromochloromethane	7.513	49	67538	20.819	ug/l	91
29) Tetrahydrofuran	7.537	42	65063	109.261	ug/l	94
30) Chloroform	7.677	83	169984	20.800	ug/l	94
31) Cyclohexane	7.958	56	153556	21.805	ug/l	95
32) 1,1,1-Trichloroethane	7.878	97	128139	20.423	ug/l	97
36) 1,1-Dichloropropene	8.086	75	135462	19.919	ug/l	99
37) Ethyl Acetate	7.257	43	48406	19.761	ug/l	98
38) Carbon Tetrachloride	8.073	117	116066	19.314	ug/l	98
39) Methylcyclohexane	9.335	83	159466	20.822	ug/l	99
40) Benzene	8.329	78	370253	19.979	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	28769	20.122	ug/l	89
42) 1,2-Dichloroethane	8.403	62	107968	19.778	ug/l	100
43) Isopropyl Acetate	8.427	43	93266	19.805	ug/l	97
44) Trichloroethene	9.092	130	91097	18.882	ug/l	94
45) 1,2-Dichloropropane	9.372	63	90356	20.057	ug/l	97
46) Dibromomethane	9.463	93	47013	20.118	ug/l	96
47) Bromodichloromethane	9.646	83	118849	19.726	ug/l	93
48) Methyl methacrylate	9.439	41	39273	17.706	ug/l	100
49) 1,4-Dioxane	9.476	88	11500	404.254	ug/l #	79
51) 4-Methyl-2-Pentanone	10.213	43	233841	97.504	ug/l	97
52) Toluene	10.390	92	228163	19.374	ug/l	98
53) t-1,3-Dichloropropene	10.610	75	116491	19.491	ug/l	100
54) cis-1,3-Dichloropropene	10.073	75	136003	19.201	ug/l	96
55) 1,1,2-Trichloroethane	10.786	97	63917	19.393	ug/l	99
56) Ethyl methacrylate	10.646	69	79777	19.316	ug/l	99
57) 1,3-Dichloropropane	10.933	76	115786	19.644	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.927	63	190469	91.352	ug/l	99
59) 2-Hexanone	10.969	43	155557	96.350	ug/l	99
60) Dibromochloromethane	11.134	129	68625	18.729	ug/l	98
61) 1,2-Dibromoethane	11.238	107	59540	19.246	ug/l	99
64) Tetrachloroethene	10.866	164	72148	18.479	ug/l	99
65) Chlorobenzene	11.658	112	226579	18.576	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.731	131	78557	18.975	ug/l	100
67) Ethyl Benzene	11.731	91	440024	19.063	ug/l	99
68) m/p-Xylenes	11.841	106	334642	39.453	ug/l	97
69) o-Xylene	12.164	106	151862	18.906	ug/l	97
70) Styrene	12.182	104	260643	19.505	ug/l	99
71) Bromoform	12.353	173	35449	17.681	ug/l #	100
73) Isopropylbenzene	12.463	105	422051	19.324	ug/l	98
74) N-amyl acetate	12.274	43	83804	19.210	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.713	83	73668	19.798	ug/l	99
76) 1,2,3-Trichloropropane	12.768	75	61235m	23.882	ug/l	
77) Bromobenzene	12.743	156	86517	18.560	ug/l	91
78) n-propylbenzene	12.804	91	530648	19.595	ug/l	99
79) 2-Chlorotoluene	12.890	91	299664	19.582	ug/l	98
80) 1,3,5-Trimethylbenzene	12.945	105	358940	19.540	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.512	75	20431	18.066	ug/l	95
82) 4-Chlorotoluene	12.987	91	315337	19.561	ug/l	99
83) tert-Butylbenzene	13.207	119	298140	19.050	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	346871	18.929	ug/l	100
85) sec-Butylbenzene	13.383	105	467916	19.793	ug/l	99
86) p-Isopropyltoluene	13.499	119	386192	19.419	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	189069	19.562	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	187464	19.704	ug/l	98
89) n-Butylbenzene	13.822	91	387760	19.425	ug/l	99
90) Hexachloroethane	14.091	117	66178	20.677	ug/l	92
91) 1,2-Dichlorobenzene	13.871	146	161352	19.212	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.481	75	11293	19.170	ug/l	90
93) 1,2,4-Trichlorobenzene	15.127	180	102567	17.733	ug/l	99
94) Hexachlorobutadiene	15.231	225	63906	19.550	ug/l	99
95) Naphthalene	15.365	128	184687	18.224	ug/l	100
96) 1,2,3-Trichlorobenzene	15.554	180	88895	18.153	ug/l	98

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

