

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082019\
 Data File : VW012056.D
 Acq On : 21 Aug 2019 02:58
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 8:30:08 AM

Quant Time: Aug 21 03:26:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	201807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	344359	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	306768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	145993	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	137166	59.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.38%	
35) Dibromofluoromethane	7.88	113	108892	56.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.72%	
50) Toluene-d8	10.32	98	435218	55.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.04%	
62) 4-Bromofluorobenzene	12.62	95	162662	57.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.36%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	52350	46.546	ug/l	99
3) Chloromethane	2.21	50	89547	45.916	ug/l	100
4) Vinyl Chloride	2.36	62	109453	46.616	ug/l	97
5) Bromomethane	2.75	94	58774	45.224	ug/l	98
6) Chloroethane	2.91	64	68318	50.938	ug/l	98
7) Trichlorofluoromethane	3.25	101	49112	46.803	ug/l	99
8) Diethyl Ether	3.68	74	67981	57.139	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	101977	51.230	ug/l	98
10) Methyl Iodide	4.27	142	152882	54.348	ug/l	100
11) Tert butyl alcohol	5.17	59	50983	301.812	ug/l	100
12) 1,1-Dichloroethene	4.04	96	107366	51.085	ug/l	98
13) Acrolein	3.89	56	42212	253.871	ug/l	96
14) Allyl chloride	4.66	41	225018	50.338	ug/l	99
15) Acrylonitrile	5.36	53	184718	311.019	ug/l	99
16) Acetone	4.12	43	154112	209.070	ug/l	100
17) Carbon Disulfide	4.38	76	297329	45.200	ug/l	99
18) Methyl Acetate	4.67	43	107080	64.664	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	200100	59.996	ug/l	96
20) Methylene Chloride	4.92	84	132678	52.190	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	118624	52.352	ug/l	97
22) Diisopropyl ether	6.31	45	480600	57.025	ug/l	97
23) Vinyl Acetate	6.25	43	1520755	287.166	ug/l	99
24) 1,1-Dichloroethane	6.21	63	249845	55.352	ug/l	99
25) 2-Butanone	7.17	43	265312	275.061	ug/l	99
26) 2,2-Dichloropropane	7.17	77	116158	41.845	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	137729	55.228	ug/l	97
28) Bromochloromethane	7.51	49	113611	56.707	ug/l #	99
29) Tetrahydrofuran	7.53	42	177348	321.662	ug/l	99
30) Chloroform	7.67	83	230715	55.404	ug/l	98
31) Cyclohexane	7.95	56	207659	47.927	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	174103	54.899	ug/l	99
36) 1,1-Dichloropropene	8.08	75	178961	49.979	ug/l	98
37) Ethyl Acetate	7.25	43	119147	57.836	ug/l	98
38) Carbon Tetrachloride	8.07	117	154682	50.462	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	197847	50.180	ug/l	100
40) Benzene	8.32	78	522882	52.133	ug/l	100
41) Methacrylonitrile	7.48	41	73722	59.866	ug/l	96
42) 1,2-Dichloroethane	8.40	62	170472	54.287	ug/l	99
43) Isopropyl Acetate	8.42	43	224878	59.356	ug/l	99
44) Trichloroethene	9.09	130	126825	52.611	ug/l	97
45) 1,2-Dichloropropane	9.37	63	146010	54.408	ug/l	100
46) Dibromomethane	9.46	93	67292	54.939	ug/l	99
47) Bromodichloromethane	9.64	83	173629	54.040	ug/l	100
48) Methyl methacrylate	9.43	41	109975	60.429	ug/l	99
49) 1,4-Dioxane	9.45	88	24073	1357.359	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	601681	305.320	ug/l	100
52) Toluene	10.38	92	321610	53.098	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	179508	53.484	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	210693	52.797	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	98516	56.687	ug/l	98
56) Ethyl methacrylate	10.65	69	154453	60.734	ug/l	99
57) 1,3-Dichloropropane	10.93	76	185348	56.373	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	417582	361.648	ug/l	100
59) 2-Hexanone	10.97	43	408283	293.431	ug/l	99
60) Dibromochloromethane	11.13	129	109256	56.636	ug/l	99
61) 1,2-Dibromoethane	11.23	107	92641	56.329	ug/l	100
64) Tetrachloroethene	10.86	164	111657	55.901	ug/l	99
65) Chlorobenzene	11.66	112	327196	53.052	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	116413	54.189	ug/l	99
67) Ethyl Benzene	11.73	91	622728	53.015	ug/l	99
68) m/p-Xylenes	11.83	106	446238	104.463	ug/l	100
69) o-Xylene	12.16	106	216782	54.611	ug/l	99
70) Styrene	12.18	104	374720	54.597	ug/l	99
71) Bromoform	12.35	173	62530	57.088	ug/l #	98
73) Isopropylbenzene	12.46	105	589647	54.139	ug/l	99
74) N-amyl acetate	12.27	43	210418	61.709	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	121430	59.273	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	81916m	53.028	ug/l	
77) Bromobenzene	12.74	156	131913	54.796	ug/l	99
78) n-propylbenzene	12.80	91	703847	53.101	ug/l	100
79) 2-Chlorotoluene	12.89	91	405559	53.110	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	493020	54.002	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	37528	55.988	ug/l	98
82) 4-Chlorotoluene	12.99	91	421778	52.644	ug/l	100
83) tert-Butylbenzene	13.21	119	427036	55.934	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	494908	53.812	ug/l	100
85) sec-Butylbenzene	13.38	105	588653	54.036	ug/l	99
86) p-Isopropyltoluene	13.50	119	525960	53.213	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	247725	52.481	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	245276	52.236	ug/l	100
89) n-Butylbenzene	13.82	91	507778	51.479	ug/l	100
90) Hexachloroethane	14.09	117	93485	53.488	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	225950	54.122	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21764	62.298	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	162623	55.271	ug/l	99
94) Hexachlorobutadiene	15.24	225	98233	53.537	ug/l	99
95) Naphthalene	15.36	128	343544	59.210	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	147148	57.054	ug/l	100

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

