

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\
 Data File : VW012364.D
 Acq On : 30 Aug 2019 22:10
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 9:11:42 AM

Quant Time: Aug 31 04:22:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	187008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	303232	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	266422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	127382	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	126546	56.92	ug/l	0.00
Spiked Amount			Recovery	=	113.84%	
35) Dibromofluoromethane	7.88	113	98942	54.66	ug/l	0.00
Spiked Amount			Recovery	=	109.32%	
50) Toluene-d8	10.32	98	392155	53.43	ug/l	0.00
Spiked Amount			Recovery	=	106.86%	
62) 4-Bromofluorobenzene	12.62	95	139105	53.77	ug/l	0.00
Spiked Amount			Recovery	=	107.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	61451	53.367	ug/l	97
3) Chloromethane	2.21	50	99062	55.529	ug/l	99
4) Vinyl Chloride	2.36	62	117490	53.808	ug/l	99
5) Bromomethane	2.77	94	65128	58.895	ug/l	99
6) Chloroethane	2.92	64	69625	56.525	ug/l	95
7) Trichlorofluoromethane	3.25	101	60814	55.467	ug/l	98
8) Diethyl Ether	3.68	74	60653	58.281	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	101432	54.426	ug/l	97
10) Methyl Iodide	4.27	142	145410	57.666	ug/l	100
11) Tert butyl alcohol	5.15	59	44268	330.894	ug/l	99
12) 1,1-Dichloroethene	4.04	96	103590	55.225	ug/l	93
13) Acrolein	3.89	56	32321	256.653	ug/l	99
14) Allyl chloride	4.67	41	230323	57.435	ug/l	100
15) Acrylonitrile	5.36	53	161828	313.722	ug/l	100
16) Acetone	4.12	43	152584	268.510	ug/l	99
17) Carbon Disulfide	4.38	76	303574	53.550	ug/l	100
18) Methyl Acetate	4.66	43	89598	63.658	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	187935	61.955	ug/l	99
20) Methylene Chloride	4.91	84	120014	55.866	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	112027	55.694	ug/l	97
22) Diisopropyl ether	6.31	45	441329	59.373	ug/l	98
23) Vinyl Acetate	6.25	43	1411508	308.561	ug/l	99
24) 1,1-Dichloroethane	6.21	63	231095	57.099	ug/l	100
25) 2-Butanone	7.17	43	230676	298.724	ug/l	99
26) 2,2-Dichloropropane	7.17	77	124958	54.548	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	124751	58.048	ug/l	99
28) Bromochloromethane	7.51	49	98716	55.962	ug/l #	99
29) Tetrahydrofuran	7.52	42	149689	323.100	ug/l	99
30) Chloroform	7.68	83	213562	57.676	ug/l	99
31) Cyclohexane	7.95	56	199382	49.793	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	166894	56.976	ug/l	99
36) 1,1-Dichloropropene	8.08	75	168791	53.866	ug/l	99
37) Ethyl Acetate	7.25	43	102975	59.969	ug/l	99
38) Carbon Tetrachloride	8.07	117	150642	55.543	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	185274	52.630	ug/l	98
40) Benzene	8.32	78	474179	55.418	ug/l	99
41) Methacrylonitrile	7.48	41	57966	57.436	ug/l	95
42) 1,2-Dichloroethane	8.40	62	158679	59.172	ug/l	99
43) Isopropyl Acetate	8.42	43	197166	61.989	ug/l	99
44) Trichloroethene	9.09	130	114918	55.248	ug/l	99
45) 1,2-Dichloropropane	9.37	63	130488	56.665	ug/l	98
46) Dibromomethane	9.46	93	59938	58.500	ug/l	99
47) Bromodichloromethane	9.65	83	159799	58.602	ug/l	97
48) Methyl methacrylate	9.43	41	93731	61.916	ug/l	96
49) 1,4-Dioxane	9.45	88	19179	1222.755	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	510999	315.862	ug/l	99
52) Toluene	10.38	92	288595	56.145	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	164649	59.277	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	193773	57.777	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	84838	58.524	ug/l	97
56) Ethyl methacrylate	10.65	69	129286	61.278	ug/l	97
57) 1,3-Dichloropropane	10.93	76	162152	59.192	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	312874	288.947	ug/l	100
59) 2-Hexanone	10.97	43	348023	304.032	ug/l	100
60) Dibromochloromethane	11.13	129	96589	59.820	ug/l	100
61) 1,2-Dibromoethane	11.23	107	80544	59.639	ug/l	99
64) Tetrachloroethene	10.86	164	94622	54.781	ug/l	98
65) Chlorobenzene	11.66	112	290965	55.463	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	106305	58.085	ug/l	99
67) Ethyl Benzene	11.73	91	563600	55.771	ug/l	98
68) m/p-Xylenes	11.84	106	404444	111.105	ug/l	100
69) o-Xylene	12.16	106	189244	56.170	ug/l	99
70) Styrene	12.18	104	334209	57.310	ug/l	99
71) Bromoform	12.35	173	55461	60.824	ug/l #	99
73) Isopropylbenzene	12.46	105	532995	55.841	ug/l	100
74) N-amyl acetate	12.27	43	178002	61.725	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	102940	58.827	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	71135m	57.339	ug/l	
77) Bromobenzene	12.74	156	116229	56.287	ug/l	99
78) n-propylbenzene	12.80	91	645871	55.428	ug/l	99
79) 2-Chlorotoluene	12.89	91	367834	55.601	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	451584	56.620	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	33516	59.233	ug/l	99
82) 4-Chlorotoluene	12.99	91	383726	55.396	ug/l	100
83) tert-Butylbenzene	13.21	119	384700	56.941	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	449596	56.117	ug/l	100
85) sec-Butylbenzene	13.38	105	533046	55.071	ug/l	100
86) p-Isopropyltoluene	13.50	119	480642	55.603	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	224944	55.694	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	223261	55.671	ug/l	100
89) n-Butylbenzene	13.82	91	478181	55.628	ug/l	100
90) Hexachloroethane	14.09	117	86860	57.273	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	203000	57.293	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18249	61.861	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	142687	58.273	ug/l	100
94) Hexachlorobutadiene	15.24	225	92695	57.333	ug/l	98
95) Naphthalene	15.36	128	278149	57.208	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	126303	59.122	ug/l	98

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

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