

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\
 Data File : VW012362.D
 Acq On : 30 Aug 2019 20:26
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 9:11:37 AM

Quant Time: Aug 31 04:18:21 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	208675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	336692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	296850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	145690	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	128536	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
35) Dibromofluoromethane	7.88	113	100371	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
50) Toluene-d8	10.32	98	402628	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.62	95	143937	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	64225	49.985	ug/l	97
3) Chloromethane	2.21	50	111467	55.995	ug/l	99
4) Vinyl Chloride	2.35	62	127209	52.210	ug/l	100
5) Bromomethane	2.73	94	61235	49.625	ug/l	96
6) Chloroethane	2.90	64	73747	53.655	ug/l	99
7) Trichlorofluoromethane	3.24	101	67436	55.120	ug/l	98
8) Diethyl Ether	3.67	74	62707	53.998	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	105888	50.918	ug/l	98
10) Methyl Iodide	4.26	142	150534	53.500	ug/l	99
11) Tert butyl alcohol	5.16	59	44892	300.717	ug/l	99
12) 1,1-Dichloroethene	4.04	96	109357	52.246	ug/l	96
13) Acrolein	3.89	56	34167	243.141	ug/l	99
14) Allyl chloride	4.66	41	242688	54.235	ug/l	100
15) Acrylonitrile	5.36	53	168275	292.349	ug/l	100
16) Acetone	4.12	43	162052	255.561	ug/l	99
17) Carbon Disulfide	4.37	76	319492	50.506	ug/l	97
18) Methyl Acetate	4.66	43	96539	61.468	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	190791	56.366	ug/l	98
20) Methylene Chloride	4.91	84	126624	52.822	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	120527	53.698	ug/l	99
22) Diisopropyl ether	6.31	45	461535	55.644	ug/l	97
23) Vinyl Acetate	6.25	43	1434336	280.995	ug/l	100
24) 1,1-Dichloroethane	6.21	63	245362	54.330	ug/l	99
25) 2-Butanone	7.16	43	243072	282.093	ug/l	100
26) 2,2-Dichloropropane	7.16	77	130615	51.097	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	130735	54.516	ug/l	99
28) Bromochloromethane	7.51	49	101025	51.324	ug/l	99
29) Tetrahydrofuran	7.52	42	157086	303.861	ug/l	100
30) Chloroform	7.67	83	224704	54.384	ug/l	99
31) Cyclohexane	7.95	56	214277	47.957	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	177148	54.197	ug/l	100
36) 1,1-Dichloropropene	8.08	75	181738	52.234	ug/l	100
37) Ethyl Acetate	7.24	43	106162	55.681	ug/l	100
38) Carbon Tetrachloride	8.06	117	159053	52.816	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	194864	49.853	ug/l	99
40) Benzene	8.32	78	505942	53.254	ug/l	98
41) Methacrylonitrile	7.48	41	67171	59.943	ug/l	96
42) 1,2-Dichloroethane	8.40	62	162328	54.517	ug/l	100
43) Isopropyl Acetate	8.42	43	200362	56.733	ug/l	100
44) Trichloroethene	9.09	130	122530	53.054	ug/l	96
45) 1,2-Dichloropropane	9.37	63	137266	53.685	ug/l	97
46) Dibromomethane	9.46	93	62390	54.842	ug/l	99
47) Bromodichloromethane	9.64	83	165150	54.546	ug/l	96
48) Methyl methacrylate	9.43	41	97624	58.079	ug/l	97
49) 1,4-Dioxane	9.45	88	19970	1146.657	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	530904	295.553	ug/l	99
52) Toluene	10.38	92	305797	53.579	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	169370	54.917	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	201161	54.019	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	87963	54.649	ug/l	98
56) Ethyl methacrylate	10.65	69	135170	57.700	ug/l	99
57) 1,3-Dichloropropane	10.93	76	168362	55.351	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	359704	299.182	ug/l	100
59) 2-Hexanone	10.97	43	365768	287.779	ug/l	100
60) Dibromochloromethane	11.13	129	99960	55.756	ug/l	99
61) 1,2-Dibromoethane	11.24	107	83318	55.562	ug/l	99
64) Tetrachloroethene	10.86	164	101786	52.888	ug/l	98
65) Chlorobenzene	11.66	112	305162	52.207	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	108225	53.073	ug/l	99
67) Ethyl Benzene	11.73	91	594161	52.768	ug/l	99
68) m/p-Xylenes	11.84	106	429737	105.953	ug/l	99
69) o-Xylene	12.16	106	201092	53.569	ug/l	100
70) Styrene	12.18	104	352510	54.252	ug/l	99
71) Bromoform	12.35	173	57276	56.376	ug/l #	98
73) Isopropylbenzene	12.46	105	558581	51.167	ug/l	99
74) N-amyl acetate	12.27	43	186683	56.600	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	106889	53.408	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	72330m	50.976	ug/l	
77) Bromobenzene	12.74	156	123532	52.306	ug/l	99
78) n-propylbenzene	12.80	91	683861	51.313	ug/l	99
79) 2-Chlorotoluene	12.89	91	395432	52.261	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	477094	52.301	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	35243	54.458	ug/l	98
82) 4-Chlorotoluene	12.99	91	410364	51.797	ug/l	100
83) tert-Butylbenzene	13.21	119	403779	52.255	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	478727	52.244	ug/l	100
85) sec-Butylbenzene	13.38	105	568279	51.333	ug/l	100
86) p-Isopropyltoluene	13.50	119	511192	51.706	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	237043	51.314	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	237843	51.854	ug/l	100
89) n-Butylbenzene	13.82	91	511510	52.027	ug/l	100
90) Hexachloroethane	14.09	117	88783	51.185	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	213668	52.726	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19343	57.330	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	153842	54.934	ug/l	99
94) Hexachlorobutadiene	15.24	225	98602	53.322	ug/l	97
95) Naphthalene	15.36	128	291061	52.709	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	134637	55.103	ug/l	99

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

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