

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092419\
 Data File : VW013287.D
 Acq On : 24 Sep 2019 19:57
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 12:37:38 AM

Quant Time: Sep 25 08:22:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	355346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	526116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	467286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	233728	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	149627	51.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.18%	
35) Dibromofluoromethane	7.88	113	149460	51.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.30%	
50) Toluene-d8	10.32	98	622710	51.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.62	95	217052	52.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	79041	38.561	ug/l	95
3) Chloromethane	2.20	50	112156	42.565	ug/l	99
4) Vinyl Chloride	2.35	62	152541	44.905	ug/l	99
5) Bromomethane	2.75	94	96301	44.735	ug/l	95
6) Chloroethane	2.90	64	93084	46.488	ug/l	97
7) Trichlorofluoromethane	3.24	101	78485	40.069	ug/l	96
8) Diethyl Ether	3.67	74	86624	51.775	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	149151	46.770	ug/l	99
10) Methyl Iodide	4.26	142	239917	48.525	ug/l	99
11) Tert butyl alcohol	5.18	59	57712	277.552	ug/l	98
12) 1,1-Dichloroethene	4.03	96	155787	47.175	ug/l	98
13) Acrolein	3.89	56	35403	212.061	ug/l	99
14) Allyl chloride	4.66	41	253799	48.291	ug/l	99
15) Acrylonitrile	5.36	53	194781	269.727	ug/l	98
16) Acetone	4.12	43	152474	233.135	ug/l	98
17) Carbon Disulfide	4.38	76	435786	45.657	ug/l	99
18) Methyl Acetate	4.67	43	99641	54.199	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	267108	52.776	ug/l	97
20) Methylene Chloride	4.91	84	173299	51.923	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	173077	48.492	ug/l	97
22) Diisopropyl ether	6.31	45	521891	52.220	ug/l	98
23) Vinyl Acetate	6.24	43	1563580	263.719	ug/l	100
24) 1,1-Dichloroethane	6.21	63	300908	49.897	ug/l	99
25) 2-Butanone	7.17	43	252015	256.691	ug/l	96
26) 2,2-Dichloropropane	7.16	77	167955	46.300	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	191910	50.950	ug/l	98
28) Bromochloromethane	7.51	49	131323	56.738	ug/l	100
29) Tetrahydrofuran	7.52	42	164748	273.624	ug/l	99
30) Chloroform	7.67	83	291685	49.402	ug/l	99
31) Cyclohexane	7.95	56	286184	45.525	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	228570	47.798	ug/l	98
36) 1,1-Dichloropropene	8.08	75	240411	47.178	ug/l	99
37) Ethyl Acetate	7.24	43	112731	52.052	ug/l	99
38) Carbon Tetrachloride	8.07	117	209510	45.864	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	306897	46.864	ug/l	98
40) Benzene	8.32	78	701900	49.382	ug/l	99
41) Methacrylonitrile	7.48	41	70415	54.477	ug/l	99
42) 1,2-Dichloroethane	8.40	62	185218	48.475	ug/l	98
43) Isopropyl Acetate	8.42	43	218577	52.659	ug/l	99
44) Trichloroethene	9.09	130	193602	48.547	ug/l	99
45) 1,2-Dichloropropane	9.37	63	175004	50.431	ug/l	98
46) Dibromomethane	9.46	93	86035	51.067	ug/l	98
47) Bromodichloromethane	9.64	83	212092	49.474	ug/l	99
48) Methyl methacrylate	9.43	41	101373	51.938	ug/l	97
49) 1,4-Dioxane	9.46	88	24257	959.180	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	552687	265.602	ug/l	99
52) Toluene	10.38	92	452258	49.647	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	225780	51.263	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	274274	51.217	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	128586	51.063	ug/l	98
56) Ethyl methacrylate	10.65	69	180683	54.826	ug/l	98
57) 1,3-Dichloropropane	10.93	76	225754	51.374	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	424650	278.335	ug/l	99
59) 2-Hexanone	10.96	43	380029	265.449	ug/l	100
60) Dibromochloromethane	11.13	129	149776	52.381	ug/l	98
61) 1,2-Dibromoethane	11.23	107	123698	51.664	ug/l	98
64) Tetrachloroethene	10.86	164	170586	48.114	ug/l	99
65) Chlorobenzene	11.66	112	473786	48.554	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	165472	49.638	ug/l	100
67) Ethyl Benzene	11.73	91	855901	48.410	ug/l	99
68) m/p-Xylenes	11.83	106	659745	97.925	ug/l	100
69) o-Xylene	12.16	106	307787	49.138	ug/l	98
70) Styrene	12.18	104	539850	50.202	ug/l	99
71) Bromoform	12.35	173	90183	51.207	ug/l #	99
73) Isopropylbenzene	12.46	105	845371	48.962	ug/l	100
74) N-amyl acetate	12.27	43	201100	52.489	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	148857	51.551	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	91414m	44.287	ug/l	
77) Bromobenzene	12.74	156	204909	50.082	ug/l	100
78) n-propylbenzene	12.80	91	984258	48.701	ug/l	100
79) 2-Chlorotoluene	12.89	91	556802	49.177	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	712031	49.060	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	48872	53.129	ug/l	94
82) 4-Chlorotoluene	12.99	91	581202	48.677	ug/l	100
83) tert-Butylbenzene	13.21	119	623375	48.935	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	713476	49.402	ug/l	100
85) sec-Butylbenzene	13.38	105	846469	48.197	ug/l	99
86) p-Isopropyltoluene	13.49	119	791899	48.614	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	387543	49.216	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	382051	49.471	ug/l	99
89) n-Butylbenzene	13.82	91	726569	48.848	ug/l	100
90) Hexachloroethane	14.09	117	134287	49.072	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	348350	51.135	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22978	52.026	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	254554	52.146	ug/l	99
94) Hexachlorobutadiene	15.24	225	160428	48.037	ug/l	100
95) Naphthalene	15.36	128	452200	56.639	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	226703	53.747	ug/l	98

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

