

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013265.D
 Acq On : 24 Sep 2019 08:05
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:35:56 AM

Quant Time: Sep 24 09:06:38 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	337902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	512305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	451472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	224906	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	145319	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
35) Dibromofluoromethane	7.88	113	137859	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
50) Toluene-d8	10.32	98	588574	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.62	95	204521	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	37353	19.164	ug/l	96
3) Chloromethane	2.20	50	52525	20.963	ug/l	99
4) Vinyl Chloride	2.36	62	65389	20.243	ug/l	100
5) Bromomethane	2.76	94	40951	20.005	ug/l	88
6) Chloroethane	2.90	64	38978	20.471	ug/l	100
7) Trichlorofluoromethane	3.25	101	29955	16.082	ug/l	97
8) Diethyl Ether	3.68	74	36487	22.934	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	60016	19.791	ug/l	99
10) Methyl Iodide	4.26	142	96296	20.482	ug/l	99
11) Tert butyl alcohol	5.20	59	25277	122.157	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	60804	19.363	ug/l	97
13) Acrolein	3.89	56	10452	65.838	ug/l	94
14) Allyl chloride	4.66	41	97245	19.458	ug/l	98
15) Acrylonitrile	5.36	53	81901	119.269	ug/l	99
16) Acetone	4.12	43	58381	93.874	ug/l #	87
17) Carbon Disulfide	4.37	76	155784	17.164	ug/l	100
18) Methyl Acetate	4.67	43	57263	32.756	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	108152	22.472	ug/l	97
20) Methylene Chloride	4.91	84	79853	23.571	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	70799	20.860	ug/l	99
22) Diisopropyl ether	6.31	45	204366	21.504	ug/l	96
23) Vinyl Acetate	6.25	43	550437	97.631	ug/l	99
24) 1,1-Dichloroethane	6.21	63	118941	20.741	ug/l	100
25) 2-Butanone	7.17	43	105640	113.155	ug/l	99
26) 2,2-Dichloropropane	7.16	77	58710	14.763	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	75466	21.070	ug/l	98
28) Bromochloromethane	7.51	49	41024	18.639	ug/l #	99
29) Tetrahydrofuran	7.53	42	72372	126.405	ug/l	98
30) Chloroform	7.67	83	115679	20.604	ug/l	94
31) Cyclohexane	7.95	56	119029	19.912	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	90122	19.819	ug/l	99
36) 1,1-Dichloropropene	8.07	75	94447	19.034	ug/l	99
37) Ethyl Acetate	7.25	43	46599	22.097	ug/l	99
38) Carbon Tetrachloride	8.07	117	82324	18.508	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	123800	19.414	ug/l	97
40) Benzene	8.32	78	280849	20.292	ug/l	100
41) Methacrylonitrile	7.48	41	32789	26.051	ug/l	89
42) 1,2-Dichloroethane	8.40	62	75089	20.182	ug/l	97
43) Isopropyl Acetate	8.42	43	88027	21.779	ug/l	97
44) Trichloroethene	9.09	130	78451	20.202	ug/l	98
45) 1,2-Dichloropropane	9.37	63	69480	20.562	ug/l	97
46) Dibromomethane	9.46	93	33838	20.626	ug/l	97
47) Bromodichloromethane	9.64	83	80329	19.243	ug/l	93
48) Methyl methacrylate	9.43	41	42324	22.269	ug/l	98
49) 1,4-Dioxane	9.47	88	12702	515.808	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	238090	117.502	ug/l	98
52) Toluene	10.38	92	178138	20.082	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	82667	19.275	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	99219	19.027	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	51030	20.811	ug/l	95
56) Ethyl methacrylate	10.65	69	71194	22.185	ug/l	99
57) 1,3-Dichloropropane	10.93	76	91020	21.272	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	171672	115.555	ug/l	100
59) 2-Hexanone	10.96	43	163025	116.942	ug/l	99
60) Dibromochloromethane	11.13	129	56163	20.171	ug/l	99
61) 1,2-Dibromoethane	11.23	107	49038	21.034	ug/l	95
64) Tetrachloroethene	10.86	164	79417	23.184	ug/l	99
65) Chlorobenzene	11.65	112	186273	19.758	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	64392	19.993	ug/l	98
67) Ethyl Benzene	11.73	91	344334	20.158	ug/l	97
68) m/p-Xylenes	11.84	106	259566	39.876	ug/l	100
69) o-Xylene	12.16	106	121379	20.057	ug/l	100
70) Styrene	12.18	104	208380	20.056	ug/l	99
71) Bromoform	12.35	173	33732	19.824	ug/l #	99
73) Isopropylbenzene	12.46	105	340133	20.473	ug/l	99
74) N-amyl acetate	12.27	43	80497	21.835	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	58912	21.202	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	45736m	23.027	ug/l	
77) Bromobenzene	12.74	156	81096	20.598	ug/l	99
78) n-propylbenzene	12.80	91	389519	20.030	ug/l	99
79) 2-Chlorotoluene	12.89	91	223341	20.499	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	286267	20.498	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16557	18.705	ug/l	94
82) 4-Chlorotoluene	12.99	91	225911	19.663	ug/l	99
83) tert-Butylbenzene	13.21	119	254330	20.748	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	298320	21.466	ug/l	100
85) sec-Butylbenzene	13.38	105	344784	20.402	ug/l	98
86) p-Isopropyltoluene	13.50	119	316679	20.203	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	150037	19.801	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	148526	19.987	ug/l	97
89) n-Butylbenzene	13.82	91	285939	19.978	ug/l	99
90) Hexachloroethane	14.09	117	51538	19.572	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	133787	20.409	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	9839	23.151	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	96024	20.442	ug/l	91
94) Hexachlorobutadiene	15.23	225	62794	19.540	ug/l	99
95) Naphthalene	15.36	128	226741	29.514	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	88176	21.725	ug/l	93

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

