

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013195.D
 Acq On : 20 Sep 2019 21:00
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:28:57 AM

Quant Time: Sep 21 05:23:56 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	354270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	522300	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	455735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	231901	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	144060	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
35) Dibromofluoromethane	7.88	113	140498	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
50) Toluene-d8	10.32	98	585171	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	12.62	95	201771	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	95366	46.667	ug/l	95
3) Chloromethane	2.21	50	119032	45.312	ug/l	97
4) Vinyl Chloride	2.36	62	158305	46.744	ug/l	99
5) Bromomethane	2.77	94	100072	46.628	ug/l	91
6) Chloroethane	2.91	64	93166	46.670	ug/l	96
7) Trichlorofluoromethane	3.25	101	89234	45.695	ug/l	97
8) Diethyl Ether	3.68	74	82755	49.613	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	149958	47.166	ug/l	99
10) Methyl Iodide	4.27	142	237673	48.217	ug/l	99
11) Tert butyl alcohol	5.18	59	53609	257.883	ug/l	100
12) 1,1-Dichloroethene	4.04	96	156157	47.431	ug/l	98
13) Acrolein	3.89	56	41880	251.619	ug/l	97
14) Allyl chloride	4.66	41	253072	48.299	ug/l	99
15) Acrylonitrile	5.36	53	183741	255.212	ug/l	99
16) Acetone	4.12	43	150774	231.236	ug/l	97
17) Carbon Disulfide	4.38	76	455840	47.903	ug/l	100
18) Methyl Acetate	4.67	43	90496	49.374	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	257383	51.009	ug/l	99
20) Methylene Chloride	4.92	84	167468	50.234	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	175787	49.401	ug/l	97
22) Diisopropyl ether	6.31	45	501047	50.287	ug/l	99
23) Vinyl Acetate	6.25	43	1515599	256.402	ug/l	99
24) 1,1-Dichloroethane	6.21	63	299451	49.806	ug/l	99
25) 2-Butanone	7.17	43	236032	241.142	ug/l	98
26) 2,2-Dichloropropane	7.16	77	170069	47.081	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	189734	50.525	ug/l	98
28) Bromochloromethane	7.51	49	123435	53.492	ug/l #	99
29) Tetrahydrofuran	7.53	42	154024	256.590	ug/l	99
30) Chloroform	7.67	83	288803	49.063	ug/l	98
31) Cyclohexane	7.95	56	288101	45.969	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	230728	48.396	ug/l	100
36) 1,1-Dichloropropene	8.08	75	239031	47.250	ug/l	99
37) Ethyl Acetate	7.25	43	105765	49.193	ug/l	99
38) Carbon Tetrachloride	8.07	117	216612	47.765	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	306194	47.098	ug/l	99
40) Benzene	8.32	78	688077	48.763	ug/l	99
41) Methacrylonitrile	7.48	41	64875	50.557	ug/l	98
42) 1,2-Dichloroethane	8.40	62	187038	49.309	ug/l	99
43) Isopropyl Acetate	8.42	43	204645	49.663	ug/l	98
44) Trichloroethene	9.09	130	186620	47.138	ug/l	98
45) 1,2-Dichloropropane	9.37	63	169081	49.080	ug/l	99
46) Dibromomethane	9.46	93	83267	49.785	ug/l	99
47) Bromodichloromethane	9.64	83	207732	48.811	ug/l	96
48) Methyl methacrylate	9.43	41	98461	50.815	ug/l	98
49) 1,4-Dioxane	9.46	88	22553	898.315	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	519062	251.265	ug/l	99
52) Toluene	10.38	92	444389	49.140	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	219077	50.104	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	264291	49.713	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	122200	48.882	ug/l	97
56) Ethyl methacrylate	10.65	69	170291	52.050	ug/l	99
57) 1,3-Dichloropropane	10.93	76	216734	49.682	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	383966	253.507	ug/l	99
59) 2-Hexanone	10.97	43	352808	248.236	ug/l	100
60) Dibromochloromethane	11.13	129	141780	49.947	ug/l	100
61) 1,2-Dibromoethane	11.23	107	117337	49.366	ug/l	100
64) Tetrachloroethene	10.86	164	170470	49.300	ug/l	98
65) Chlorobenzene	11.66	112	460953	48.436	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	160185	49.270	ug/l	99
67) Ethyl Benzene	11.73	91	845063	49.009	ug/l	99
68) m/p-Xylenes	11.84	106	642084	97.719	ug/l	99
69) o-Xylene	12.16	106	297901	48.765	ug/l	99
70) Styrene	12.18	104	523448	49.910	ug/l	100
71) Bromoform	12.35	173	85518	49.789	ug/l #	100
73) Isopropylbenzene	12.46	105	826284	48.234	ug/l	99
74) N-amyl acetate	12.27	43	186676	49.108	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	138191	48.235	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	109351m	53.394	ug/l	
77) Bromobenzene	12.74	156	196122	48.312	ug/l	98
78) n-propylbenzene	12.80	91	967069	48.228	ug/l	100
79) 2-Chlorotoluene	12.89	91	544245	48.447	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	696825	48.390	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	44787	49.072	ug/l	98
82) 4-Chlorotoluene	12.99	91	569876	48.105	ug/l	100
83) tert-Butylbenzene	13.21	119	610721	48.320	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	697916	48.705	ug/l	98
85) sec-Butylbenzene	13.38	105	839646	48.185	ug/l	100
86) p-Isopropyltoluene	13.49	119	783549	48.480	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	375201	48.024	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	376053	49.078	ug/l	100
89) n-Butylbenzene	13.82	91	715584	48.489	ug/l	100
90) Hexachloroethane	14.09	117	132471	48.790	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	334887	49.546	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	22206	50.674	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	240053	49.563	ug/l	99
94) Hexachlorobutadiene	15.24	225	154658	46.674	ug/l	98
95) Naphthalene	15.36	128	418780	52.867	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	208529	49.827	ug/l	99

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

