

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070919\
 Data File : VW011182.D
 Acq On : 09 Jul 2019 17:00
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/10/2019 10:47:22 AM

Quant Time: Jul 10 05:43:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 07:16:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	216900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	352827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	316711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	154055	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	133713	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
35) Dibromofluoromethane	7.88	113	104783	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
50) Toluene-d8	10.32	98	426352	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.62	95	155522	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	66674	41.217	ug/l	98
3) Chloromethane	2.21	50	89924	43.141	ug/l	99
4) Vinyl Chloride	2.36	62	119771	43.900	ug/l	97
5) Bromomethane	2.77	94	61709	45.013	ug/l	94
6) Chloroethane	2.92	64	66020	44.927	ug/l	94
7) Trichlorofluoromethane	3.24	101	40294	41.574	ug/l	100
8) Diethyl Ether	3.68	74	60196	44.888	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	104677	45.090	ug/l	100
10) Methyl Iodide	4.27	142	145683	45.626	ug/l	99
11) Tert butyl alcohol	5.17	59	44622	221.140	ug/l	99
12) 1,1-Dichloroethene	4.04	96	109701	45.528	ug/l	97
13) Acrolein	3.89	56	51585	321.047	ug/l	98
14) Allyl chloride	4.66	41	191137	43.501	ug/l	99
15) Acrylonitrile	5.36	53	155816	228.142	ug/l	99
16) Acetone	4.12	43	160210	244.308	ug/l	98
17) Carbon Disulfide	4.38	76	321604	44.025	ug/l	99
18) Methyl Acetate	4.67	43	80170	42.786	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	166999	45.677	ug/l	99
20) Methylene Chloride	4.92	84	120282	46.495	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	113283	45.246	ug/l	96
22) Diisopropyl ether	6.31	45	437931	46.340	ug/l	99
23) Vinyl Acetate	6.25	43	1420196	242.826	ug/l	99
24) 1,1-Dichloroethane	6.21	63	222501	44.836	ug/l	99
25) 2-Butanone	7.16	43	242022	235.113	ug/l	100
26) 2,2-Dichloropropane	7.16	77	113180	43.875	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	122839	45.482	ug/l	100
28) Bromochloromethane	7.51	49	113830	50.446	ug/l	100
29) Tetrahydrofuran	7.52	42	155718	230.701	ug/l	99
30) Chloroform	7.67	83	206007	44.825	ug/l	100
31) Cyclohexane	7.95	56	225116	42.640	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	157027	44.916	ug/l	100
36) 1,1-Dichloropropene	8.08	75	171001	45.512	ug/l	100
37) Ethyl Acetate	7.25	43	104299	46.202	ug/l	100
38) Carbon Tetrachloride	8.06	117	144588	45.395	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	210519	46.227	ug/l	99
40) Benzene	8.32	78	474922	45.737	ug/l	98
41) Methacrylonitrile	7.48	41	64142	49.679	ug/l	92
42) 1,2-Dichloroethane	8.40	62	156414	46.436	ug/l	99
43) Isopropyl Acetate	8.42	43	200029	46.932	ug/l	100
44) Trichloroethene	9.09	130	114355	45.765	ug/l	98
45) 1,2-Dichloropropane	9.37	63	130073	46.259	ug/l	98
46) Dibromomethane	9.46	93	60993	46.176	ug/l	99
47) Bromodichloromethane	9.64	83	156378	46.270	ug/l	99
48) Methyl methacrylate	9.43	41	98457	48.017	ug/l	99
49) 1,4-Dioxane	9.44	88	20770	942.051	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	534948	240.275	ug/l	100
52) Toluene	10.38	92	292786	46.482	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	165622	46.039	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	196974	46.518	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	88027	46.976	ug/l	96
56) Ethyl methacrylate	10.65	69	137905	48.338	ug/l	100
57) 1,3-Dichloropropane	10.93	76	165934	46.828	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	360697	272.716	ug/l	99
59) 2-Hexanone	10.97	43	375172	242.986	ug/l	100
60) Dibromochloromethane	11.13	129	96419	46.923	ug/l	99
61) 1,2-Dibromoethane	11.24	107	83570	47.082	ug/l	100
64) Tetrachloroethene	10.86	164	94858	44.386	ug/l	99
65) Chlorobenzene	11.66	112	293776	45.624	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	103545	45.671	ug/l	99
67) Ethyl Benzene	11.73	91	568186	46.094	ug/l	98
68) m/p-Xylenes	11.84	106	412132	92.399	ug/l	100
69) o-Xylene	12.16	106	193833	46.108	ug/l	100
70) Styrene	12.18	104	339700	46.821	ug/l	99
71) Bromoform	12.35	173	53631	44.491	ug/l #	98
73) Isopropylbenzene	12.46	105	533695	46.343	ug/l	100
74) N-amyl acetate	12.27	43	190631	47.529	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	109870	46.542	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	78497m	44.092	ug/l	
77) Bromobenzene	12.75	156	118992	46.042	ug/l	99
78) n-propylbenzene	12.80	91	659474	46.487	ug/l	100
79) 2-Chlorotoluene	12.89	91	376101	46.071	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	455011	46.507	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	34591	43.947	ug/l	97
82) 4-Chlorotoluene	12.99	91	392199	46.126	ug/l	100
83) tert-Butylbenzene	13.21	119	377499	46.265	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	461616	46.989	ug/l	99
85) sec-Butylbenzene	13.38	105	543141	46.132	ug/l	99
86) p-Isopropyltoluene	13.50	119	496322	47.000	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	233586	46.976	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	230838	46.102	ug/l	99
89) n-Butylbenzene	13.82	91	502405	47.692	ug/l	100
90) Hexachloroethane	14.10	117	87908	45.555	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	210160	46.587	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19013	45.407	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	151522	48.766	ug/l	99
94) Hexachlorobutadiene	15.24	225	89802	47.077	ug/l	100
95) Naphthalene	15.37	128	295932	49.702	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	133950	48.848	ug/l	99

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

