

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011158.D
 Acq On : 08 Jul 2019 12:01
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 4:12:52 PM

Quant Time: Jul 09 06:00:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 05:44:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	224667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	370182	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	325815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159103	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	138847	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
35) Dibromofluoromethane	7.88	113	109522	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
50) Toluene-d8	10.32	98	450863	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.62	95	163132	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	82503	49.239	ug/l	100
3) Chloromethane	2.21	50	104304	48.309	ug/l	100
4) Vinyl Chloride	2.36	62	143673	50.841	ug/l	100
5) Bromomethane	2.77	94	72595	51.123	ug/l	100
6) Chloroethane	2.92	64	79693	52.357	ug/l	100
7) Trichlorofluoromethane	3.25	101	51657	51.456	ug/l	100
8) Diethyl Ether	3.68	74	70823	50.986	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	124025	51.577	ug/l	100
10) Methyl Iodide	4.27	142	173885	52.576	ug/l	100
11) Tert butyl alcohol	5.17	59	51664	247.187	ug/l	100
12) 1,1-Dichloroethene	4.04	96	128370	51.434	ug/l	100
13) Acrolein	3.89	56	42325	254.309	ug/l	100
14) Allyl chloride	4.66	41	241655	53.096	ug/l	100
15) Acrylonitrile	5.36	53	179829	254.199	ug/l	100
16) Acetone	4.12	43	172819	254.425	ug/l	100
17) Carbon Disulfide	4.38	76	396978	52.465	ug/l	100
18) Methyl Acetate	4.67	43	87273	41.085	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	196563	51.905	ug/l	100
20) Methylene Chloride	4.92	84	135537	50.581	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	134927	52.027	ug/l	100
22) Diisopropyl ether	6.31	45	510774	52.179	ug/l	100
23) Vinyl Acetate	6.25	43	1660637	274.120	ug/l	100
24) 1,1-Dichloroethane	6.21	63	265898	51.728	ug/l	100
25) 2-Butanone	7.16	43	269060	252.343	ug/l	100
26) 2,2-Dichloropropane	7.16	77	139133	52.071	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	144928	51.806	ug/l	100
28) Bromochloromethane	7.51	49	116555	49.868	ug/l	100
29) Tetrahydrofuran	7.52	42	175717	251.330	ug/l	100
30) Chloroform	7.67	83	240531	50.527	ug/l	100
31) Cyclohexane	7.95	56	271217	49.596	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	189668	52.377	ug/l	100
36) 1,1-Dichloropropene	8.08	75	204491	51.874	ug/l	100
37) Ethyl Acetate	7.25	43	119879	50.614	ug/l	100
38) Carbon Tetrachloride	8.07	117	174161	52.116	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	254771	53.322	ug/l	100
40) Benzene	8.32	78	567134	52.057	ug/l	100
41) Methacrylonitrile	7.48	41	65417	48.291	ug/l	100
42) 1,2-Dichloroethane	8.40	62	180632	51.111	ug/l	100
43) Isopropyl Acetate	8.42	43	229303	51.279	ug/l	100
44) Trichloroethene	9.09	130	134640	51.357	ug/l	100
45) 1,2-Dichloropropane	9.37	63	153112	51.899	ug/l	100
46) Dibromomethane	9.46	93	70971	51.212	ug/l	100
47) Bromodichloromethane	9.64	83	184302	51.976	ug/l	100
48) Methyl methacrylate	9.43	41	112124	52.118	ug/l	100
49) 1,4-Dioxane	9.45	88	23776	1027.834	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	594500	254.505	ug/l	100
52) Toluene	10.38	92	347120	52.525	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	197448	52.312	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	232181	52.262	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	99901	50.813	ug/l	100
56) Ethyl methacrylate	10.65	69	154558	51.636	ug/l	100
57) 1,3-Dichloropropane	10.93	76	190739	51.305	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	343541	247.567	ug/l	100
59) 2-Hexanone	10.97	43	414728	256.012	ug/l	100
60) Dibromochloromethane	11.13	129	111921	51.914	ug/l	100
61) 1,2-Dibromoethane	11.23	107	95213	51.127	ug/l	100
64) Tetrachloroethene	10.86	164	112627	51.228	ug/l	100
65) Chlorobenzene	11.66	112	343419	51.843	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	121322	52.016	ug/l	100
67) Ethyl Benzene	11.73	91	670527	52.876	ug/l	100
68) m/p-Xylenes	11.84	106	484315	105.549	ug/l	100
69) o-Xylene	12.16	106	227302	52.558	ug/l	100
70) Styrene	12.18	104	396073	53.066	ug/l	100
71) Bromoform	12.35	173	63875	51.508	ug/l #	100
73) Isopropylbenzene	12.46	105	631146	53.066	ug/l	100
74) N-amyl acetate	12.27	43	213947	51.650	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	123685	50.732	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	86602m	46.974	ug/l	
77) Bromobenzene	12.75	156	137130	51.376	ug/l	100
78) n-propylbenzene	12.80	91	775047	52.900	ug/l	100
79) 2-Chlorotoluene	12.90	91	440426	52.239	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	533956	52.845	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	41816	51.440	ug/l	100
82) 4-Chlorotoluene	12.99	91	455086	51.824	ug/l	100
83) tert-Butylbenzene	13.21	119	446098	52.938	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	532647	52.499	ug/l	100
85) sec-Butylbenzene	13.38	105	646551	53.173	ug/l	100
86) p-Isopropyltoluene	13.50	119	581777	53.344	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	265339	51.669	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	268220	51.868	ug/l	100
89) n-Butylbenzene	13.82	91	586639	53.921	ug/l	100
90) Hexachloroethane	14.10	117	105191	52.782	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	240958	51.720	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21809	50.432	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	170920	53.264	ug/l	100
94) Hexachlorobutadiene	15.24	225	105970	53.790	ug/l	100
95) Naphthalene	15.37	128	339559	55.220	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	154545	54.570	ug/l	100

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

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