

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060419\
 Data File : VW010677.D
 Acq On : 04 Jun 2019 15:41
 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
 6/5/2019 3:05:02 PM

Quant Time: Jun 05 03:19:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 02:25:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	273559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	447978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	393737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	183960	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	159939	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
35) Dibromofluoromethane	7.88	113	126645	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	
50) Toluene-d8	10.32	98	529720	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
62) 4-Bromofluorobenzene	12.62	95	191308	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	108926	43.088	ug/l	100
3) Chloromethane	2.21	50	164495	44.227	ug/l	100
4) Vinyl Chloride	2.35	62	154972	45.098	ug/l	100
5) Bromomethane	2.76	94	83096	44.035	ug/l	100
6) Chloroethane	2.91	64	97257	47.152	ug/l	100
7) Trichlorofluoromethane	3.25	101	209286	46.918	ug/l	100
8) Diethyl Ether	3.68	74	75079	47.098	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	130769	47.683	ug/l	100
10) Methyl Iodide	4.27	142	128201	52.934	ug/l	100
11) Tert butyl alcohol	5.17	59	58758	223.686	ug/l	100
12) 1,1-Dichloroethene	4.03	96	124637	47.113	ug/l	100
13) Acrolein	3.90	56	27430	255.543	ug/l	100
14) Allyl chloride	4.67	41	279536	47.922	ug/l	100
15) Acrylonitrile	5.37	53	177000	228.553	ug/l	100
16) Acetone	4.12	43	214284	248.025	ug/l	100
17) Carbon Disulfide	4.37	76	389746	46.409	ug/l	100
18) Methyl Acetate	4.67	43	81703	43.932	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	360128	47.199	ug/l	100
20) Methylene Chloride	4.92	84	138501	45.697	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	144466	48.104	ug/l	100
22) Diisopropyl ether	6.31	45	560272	47.976	ug/l	100
23) Vinyl Acetate	6.25	43	1703807	241.753	ug/l	100
24) 1,1-Dichloroethane	6.21	63	276917	47.317	ug/l	100
25) 2-Butanone	7.17	43	289536	241.683	ug/l	100
26) 2,2-Dichloropropane	7.17	77	226558	47.573	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	157437	47.636	ug/l	100
28) Bromochloromethane	7.51	49	128021	49.017	ug/l	100
29) Tetrahydrofuran	7.53	42	171439	227.513	ug/l	100
30) Chloroform	7.68	83	253132	47.288	ug/l	100
31) Cyclohexane	7.95	56	293163	45.063	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	222685	47.622	ug/l	100
36) 1,1-Dichloropropene	8.08	75	217978	47.536	ug/l	100
37) Ethyl Acetate	7.25	43	117278	46.153	ug/l	100
38) Carbon Tetrachloride	8.07	117	192977	48.750	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	280283	48.082	ug/l	100
40) Benzene	8.32	78	594146	47.495	ug/l	100
41) Methacrylonitrile	7.48	41	70596	46.740	ug/l	100
42) 1,2-Dichloroethane	8.40	62	188338	47.436	ug/l	100
43) Isopropyl Acetate	8.43	43	230523	46.958	ug/l	100
44) Trichloroethene	9.09	130	146234	47.389	ug/l	100
45) 1,2-Dichloropropane	9.37	63	158624	47.901	ug/l	100
46) Dibromomethane	9.46	93	73067	47.505	ug/l	100
47) Bromodichloromethane	9.65	83	192083	48.177	ug/l	100
48) Methyl methacrylate	9.44	41	113066	47.769	ug/l	100
49) 1,4-Dioxane	9.45	88	21259	884.045	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	583012	232.466	ug/l	100
52) Toluene	10.39	92	370018	48.073	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	205058	48.557	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	240779	48.454	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	105967	47.824	ug/l	100
56) Ethyl methacrylate	10.65	69	163234	47.876	ug/l	100
57) 1,3-Dichloropropane	10.93	76	197618	47.325	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	399501	223.707	ug/l	100
59) 2-Hexanone	10.97	43	430188	237.339	ug/l	100
60) Dibromochloromethane	11.13	129	118992	48.444	ug/l	100
61) 1,2-Dibromoethane	11.24	107	99728	47.504	ug/l	100
64) Tetrachloroethene	10.86	164	127072	48.608	ug/l	100
65) Chlorobenzene	11.66	112	372555	48.116	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	131517	49.068	ug/l	100
67) Ethyl Benzene	11.73	91	712932	47.910	ug/l	100
68) m/p-Xylenes	11.84	106	511348	95.995	ug/l	100
69) o-Xylene	12.17	106	243298	48.158	ug/l	100
70) Styrene	12.18	104	424411	48.360	ug/l	100
71) Bromoform	12.35	173	67360	48.593	ug/l #	100
73) Isopropylbenzene	12.47	105	677275	48.993	ug/l	100
74) N-amyl acetate	12.27	43	214899	48.101	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	126284	47.986	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	91256m	34.627	ug/l	
77) Bromobenzene	12.75	156	147763	48.968	ug/l	100
78) n-propylbenzene	12.80	91	818187	49.085	ug/l	100
79) 2-Chlorotoluene	12.90	91	464270	48.752	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	552922	48.866	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	41627	49.524	ug/l	100
82) 4-Chlorotoluene	12.99	91	476420	48.478	ug/l	100
83) tert-Butylbenzene	13.21	119	469890	48.932	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	554333	48.684	ug/l	100
85) sec-Butylbenzene	13.38	105	685622	49.038	ug/l	100
86) p-Isopropyltoluene	13.50	119	610791	48.851	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	286352	49.208	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	276687	47.961	ug/l	100
89) n-Butylbenzene	13.83	91	614699	49.275	ug/l	100
90) Hexachloroethane	14.10	117	112320	50.163	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	250890	47.942	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21238	46.995	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	182242	49.625	ug/l	100
94) Hexachlorobutadiene	15.24	225	112631	48.868	ug/l	100
95) Naphthalene	15.37	128	329558	49.392	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	155347	49.740	ug/l	100

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

