

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082319\
 Data File : VW012124.D
 Acq On : 23 Aug 2019 09:19
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/26/2019 11:38:51 AM

Quant Time: Aug 26 07:11:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:02:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	268949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	433856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	371058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	179665	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	17488	5.47	ug/l	0.00
Spiked Amount			Recovery	=	10.94%	
35) Dibromofluoromethane	7.88	113	14052	5.43	ug/l	0.00
Spiked Amount			Recovery	=	10.86%	
50) Toluene-d8	10.32	98	55256	5.26	ug/l	0.00
Spiked Amount			Recovery	=	10.52%	
62) 4-Bromofluorobenzene	12.62	95	20403	5.51	ug/l	0.00
Spiked Amount			Recovery	=	11.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	9168	5.536	ug/l	96
3) Chloromethane	2.21	50	14994	5.844	ug/l	96
4) Vinyl Chloride	2.36	62	17592	5.602	ug/l	99
5) Bromomethane	2.78	94	9168	5.765	ug/l	98
6) Chloroethane	2.92	64	9486	5.355	ug/l #	74
7) Trichlorofluoromethane	3.25	101	7451	4.725	ug/l	99
8) Diethyl Ether	3.68	74	7708	5.150	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.06	101	14690	5.481	ug/l	97
10) Methyl Iodide	4.26	142	19185	5.290	ug/l	98
11) Tert butyl alcohol	5.18	59	4635	23.799	ug/l	97
12) 1,1-Dichloroethene	4.04	96	14454	5.358	ug/l	97
13) Acrolein	3.89	56	4578	25.277	ug/l	88
14) Allyl chloride	4.67	41	29168	5.058	ug/l	97
15) Acrylonitrile	5.37	53	18696	25.202	ug/l	99
16) Acetone	4.12	43	19081	23.348	ug/l	92
17) Carbon Disulfide	4.38	76	43711	5.361	ug/l	99
18) Methyl Acetate	4.67	43	10640	5.256	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	22483	5.154	ug/l	99
20) Methylene Chloride	4.92	84	18907	6.120	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	14993	5.183	ug/l	98
22) Diisopropyl ether	6.31	45	53302	4.986	ug/l	93
23) Vinyl Acetate	6.26	43	153390	23.316	ug/l	99
24) 1,1-Dichloroethane	6.21	63	29904	5.138	ug/l	97
25) 2-Butanone	7.18	43	25409	22.879	ug/l	94
26) 2,2-Dichloropropane	7.16	77	18199	5.524	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	15569	5.037	ug/l	97
28) Bromochloromethane	7.51	49	14577	5.746	ug/l	99
29) Tetrahydrofuran	7.54	42	15191	22.799	ug/l	95
30) Chloroform	7.68	83	28454	5.343	ug/l	99
31) Cyclohexane	7.95	56	34903	6.061	ug/l #	85
32) 1,1,1-Trichloroethane	7.87	97	21944	5.209	ug/l	99
36) 1,1-Dichloropropene	8.09	75	23405	5.220	ug/l	98
37) Ethyl Acetate	7.25	43	12726	5.180	ug/l	98
38) Carbon Tetrachloride	8.07	117	19665	5.068	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	26089	5.180	ug/l	98
40) Benzene	8.32	78	63587	5.194	ug/l	94
41) Methacrylonitrile	7.48	41	6087	4.215	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	19614	5.112	ug/l	97
43) Isopropyl Acetate	8.43	43	21985	4.831	ug/l	100
44) Trichloroethene	9.09	130	15459	5.194	ug/l	92
45) 1,2-Dichloropropane	9.37	63	16885	5.125	ug/l	100
46) Dibromomethane	9.46	93	7629	5.204	ug/l	97
47) Bromodichloromethane	9.64	83	19295	4.946	ug/l	96
48) Methyl methacrylate	9.44	41	9921	4.580	ug/l	96
49) 1,4-Dioxane	9.46	88	2016	89.832	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	54751	23.654	ug/l	96
52) Toluene	10.39	92	37249	5.065	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	18213	4.583	ug/l	90
54) cis-1,3-Dichloropropene	10.07	75	22382	4.664	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	10234	4.934	ug/l	97
56) Ethyl methacrylate	10.65	69	13551	4.489	ug/l	97
57) 1,3-Dichloropropane	10.93	76	19197	4.898	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	35836	23.131	ug/l	100
59) 2-Hexanone	10.97	43	36239	22.127	ug/l	99
60) Dibromochloromethane	11.13	129	11122	4.814	ug/l	97
61) 1,2-Dibromoethane	11.23	107	9460	4.896	ug/l	100
64) Tetrachloroethene	10.87	164	12386	5.149	ug/l	95
65) Chlorobenzene	11.66	112	37556	5.140	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	12476	4.895	ug/l	96
67) Ethyl Benzene	11.73	91	71209	5.059	ug/l	97
68) m/p-Xylenes	11.84	106	51045	10.068	ug/l	99
69) o-Xylene	12.16	106	22769	4.852	ug/l	100
70) Styrene	12.18	104	39497	4.863	ug/l	98
71) Bromoform	12.35	173	6012	4.734	ug/l #	99
73) Isopropylbenzene	12.46	105	65903	4.895	ug/l	100
74) N-amyl acetate	12.27	43	17686	4.348	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	12138	4.918	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	9019m	5.210	ug/l	
77) Bromobenzene	12.74	156	14693	5.045	ug/l	99
78) n-propylbenzene	12.80	91	80276	4.884	ug/l	98
79) 2-Chlorotoluene	12.89	91	47182	5.057	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	54871	4.878	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	3301	4.136	ug/l	87
82) 4-Chlorotoluene	12.99	91	49820	5.099	ug/l	99
83) tert-Butylbenzene	13.21	119	46670	4.898	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	56274	4.980	ug/l	99
85) sec-Butylbenzene	13.38	105	69246	5.072	ug/l	99
86) p-Isopropyltoluene	13.50	119	60828	4.989	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	29228	5.131	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	29580	5.229	ug/l	93
89) n-Butylbenzene	13.82	91	59415	4.900	ug/l	99
90) Hexachloroethane	14.09	117	10659	4.983	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	25406	5.084	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2028	4.874	ug/l	94

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93) 1,2,4-Trichlorobenzene	15.13	180	16469	4.769	ug/l	97
94) Hexachlorobutadiene	15.24	225	11853	5.198	ug/l	98
95) Naphthalene	15.37	128	24117	3.988	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	14161	4.700	ug/l	99

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

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