

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010417.D
 Acq On : 17 May 2019 17:05
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:15:53 PM

Quant Time: May 17 23:39:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:21:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	811155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1432332	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1248761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	569408	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	40492	4.85	ug/l	0.00
Spiked Amount			Recovery	=	9.70%	
35) Dibromofluoromethane	7.88	113	41965	4.92	ug/l	0.00
Spiked Amount			Recovery	=	9.84%	
50) Toluene-d8	10.32	98	144151	4.46	ug/l	0.00
Spiked Amount			Recovery	=	8.92%	
62) 4-Bromofluorobenzene	12.62	95	63982	5.04	ug/l	0.00
Spiked Amount			Recovery	=	10.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	51217	10.022	ug/l	92
3) Chloromethane	2.20	50	60347	8.601	ug/l	96
4) Vinyl Chloride	2.35	62	59990	6.800	ug/l	98
5) Bromomethane	2.76	94	32744	5.814	ug/l	95
6) Chloroethane	2.91	64	34493	6.543	ug/l	97
7) Trichlorofluoromethane	3.25	101	78598	12.899	ug/l	98
8) Diethyl Ether	3.68	74	25867	6.079	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	48340	6.410	ug/l	96
10) Methyl Iodide	4.26	142	51291	4.408	ug/l	99
11) Tert butyl alcohol	5.17	59	20321	29.656	ug/l #	72
12) 1,1-Dichloroethene	4.03	96	44400	5.637	ug/l	88
13) Acrolein	3.90	56	18468	42.583	ug/l	93
14) Allyl chloride	4.67	41	68504	6.707	ug/l	98
15) Acrylonitrile	5.38	53	51033	27.203	ug/l	98
16) Acetone	4.12	43	44851	29.985	ug/l	95
17) Carbon Disulfide	4.37	76	131970	6.159	ug/l	97
18) Methyl Acetate	4.67	43	25616	5.362	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	118012	9.159	ug/l	95
20) Methylene Chloride	4.92	84	61084	6.987	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	51441	5.860	ug/l	94
22) Diisopropyl ether	6.31	45	136323	5.598	ug/l	94
23) Vinyl Acetate	6.26	43	412892	24.908	ug/l	99
24) 1,1-Dichloroethane	6.21	63	81728	5.504	ug/l	94
25) 2-Butanone	7.18	43	62935	22.459	ug/l	100
26) 2,2-Dichloropropane	7.16	77	79151	9.364	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	56806	5.608	ug/l	97
28) Bromochloromethane	7.51	49	22342	3.627	ug/l	93
29) Tetrahydrofuran	7.54	42	44850	23.893	ug/l	98
30) Chloroform	7.68	83	86091	5.518	ug/l	96
31) Cyclohexane	7.95	56	96091	6.654	ug/l #	78
32) 1,1,1-Trichloroethane	7.87	97	83415	6.631	ug/l	100
36) 1,1-Dichloropropene	8.08	75	69023	5.600	ug/l	98
37) Ethyl Acetate	7.26	43	28449	4.603	ug/l #	95
38) Carbon Tetrachloride	8.07	117	74172	5.868	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	94904	5.813	ug/l	96
40) Benzene	8.32	78	190169	5.304	ug/l	99
41) Methacrylonitrile	7.49	41	16572	4.414	ug/l #	80
42) 1,2-Dichloroethane	8.40	62	54677	5.230	ug/l	97
43) Isopropyl Acetate	8.43	43	60443	4.747	ug/l	98
44) Trichloroethene	9.09	130	53981	5.272	ug/l	97
45) 1,2-Dichloropropane	9.37	63	44868	5.044	ug/l	91
46) Dibromomethane	9.46	93	26209	5.060	ug/l	95
47) Bromodichloromethane	9.64	83	65687	5.172	ug/l	95
48) Methyl methacrylate	9.44	41	28051	4.793	ug/l	95
49) 1,4-Dioxane	9.46	88	7543	83.330	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	154273	23.406	ug/l	99
52) Toluene	10.39	92	125074	5.235	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	68001	5.083	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	77326	5.112	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	38791	5.180	ug/l	97
56) Ethyl methacrylate	10.65	69	51869	4.878	ug/l	97
57) 1,3-Dichloropropane	10.93	76	63681	5.084	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.92	63	111053	23.827	ug/l	98
59) 2-Hexanone	10.97	43	107106	23.038	ug/l	99
60) Dibromochloromethane	11.13	129	44885	4.798	ug/l	100
61) 1,2-Dibromoethane	11.23	107	38037	5.033	ug/l	100
64) Tetrachloroethene	10.86	164	42734	5.177	ug/l	95
65) Chlorobenzene	11.66	112	132556	5.350	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	48391	5.274	ug/l	98
67) Ethyl Benzene	11.73	91	242189	5.504	ug/l	96
68) m/p-Xylenes	11.84	106	188482	10.947	ug/l	100
69) o-Xylene	12.16	106	87678	5.283	ug/l	98
70) Styrene	12.18	104	149831	5.194	ug/l	99
71) Bromoform	12.35	173	25300	4.755	ug/l #	97
73) Isopropylbenzene	12.46	105	240812	5.797	ug/l	100
74) N-amyl acetate	12.27	43	53567	4.657	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	44626	5.466	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	31799m	5.132	ug/l	
77) Bromobenzene	12.75	156	50252	5.243	ug/l	92
78) n-propylbenzene	12.80	91	278607	5.735	ug/l	99
79) 2-Chlorotoluene	12.89	91	162176	5.741	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	202980	5.670	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	15349	5.150	ug/l	97
82) 4-Chlorotoluene	12.99	91	166971	5.634	ug/l	99
83) tert-Butylbenzene	13.21	119	173684	5.754	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	197824	5.541	ug/l	100
85) sec-Butylbenzene	13.38	105	244817	5.735	ug/l	99
86) p-Isopropyltoluene	13.50	119	216944	5.585	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	98361	5.277	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	100140	5.383	ug/l	95
89) n-Butylbenzene	13.83	91	210436	5.676	ug/l	98
90) Hexachloroethane	14.10	117	43098	5.604	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	88294	5.160	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9365	6.170	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	56700	4.821	ug/l	97
94) Hexachlorobutadiene	15.24	225	32479	5.406	ug/l	99
95) Naphthalene	15.37	128	130898	4.999	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	50581	4.843	ug/l	99

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

