

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011719\
 Data File : VW008324.D
 Acq On : 17 Jan 2019 13:13
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 2:09:26 PM

Quant Time: Jan 18 00:39:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:24:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	108427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	178863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	164328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83636	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	11128	9.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.74%	
35) Dibromofluoromethane	7.88	113	11480	10.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.10%	
50) Toluene-d8	10.32	98	42763	9.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.06%	
62) 4-Bromofluorobenzene	12.62	95	15675	9.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	6316	9.245	ug/l	100
3) Chloromethane	2.21	50	9757	9.742	ug/l	98
4) Vinyl Chloride	2.36	62	12691	9.918	ug/l #	86
5) Bromomethane	2.78	94	9102	9.386	ug/l	90
6) Chloroethane	2.93	64	7958	9.501	ug/l	94
7) Trichlorofluoromethane	3.26	101	8501	9.048	ug/l	88
8) Diethyl Ether	3.68	74	6339	9.729	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	10511	9.609	ug/l	96
10) Methyl Iodide	4.27	142	16564	9.389	ug/l	99
11) Tert butyl alcohol	5.17	59	3602	46.199	ug/l #	81
12) 1,1-Dichloroethene	4.03	96	11193	10.061	ug/l	91
13) Acrolein	3.89	56	2501m	37.345	ug/l	
14) Allyl chloride	4.67	41	18809	10.113	ug/l	96
15) Acrylonitrile	5.37	53	12159	48.582	ug/l #	87
16) Acetone	4.12	43	12787	48.817	ug/l	100
17) Carbon Disulfide	4.37	76	29895	8.831	ug/l	100
18) Methyl Acetate	4.66	43	7234	10.339	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	16325	9.586	ug/l	98
20) Methylene Chloride	4.91	84	15228	10.948	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	11820	9.459	ug/l	93
22) Diisopropyl ether	6.31	45	35155	9.681	ug/l	94
23) Vinyl Acetate	6.25	43	87779	45.223	ug/l	96
24) 1,1-Dichloroethane	6.21	63	21132	9.558	ug/l	96
25) 2-Butanone	7.18	43	15630	46.589	ug/l	100
26) 2,2-Dichloropropane	7.17	77	15000	10.631	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	13010	9.610	ug/l	95
28) Bromochloromethane	7.51	49	8781	9.640	ug/l #	98
29) Tetrahydrofuran	7.53	42	9656	46.168	ug/l	98
30) Chloroform	7.67	83	21240	9.710	ug/l	96
31) Cyclohexane	7.95	56	21562	10.236	ug/l #	88
32) 1,1,1-Trichloroethane	7.87	97	17664	9.621	ug/l	95
36) 1,1-Dichloropropene	8.08	75	17017	9.456	ug/l	98
37) Ethyl Acetate	7.26	43	6664	8.980	ug/l #	77
38) Carbon Tetrachloride	8.07	117	17440	9.815	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	19258	8.997	ug/l	94
40) Benzene	8.32	78	48441	9.503	ug/l	98
41) Methacrylonitrile	7.49	41	4201	9.725	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	13876	9.735	ug/l	97
43) Isopropyl Acetate	8.43	43	13033	9.298	ug/l	96
44) Trichloroethene	9.09	130	12719	9.107	ug/l	95
45) 1,2-Dichloropropane	9.37	63	12480	9.856	ug/l #	87
46) Dibromomethane	9.46	93	6199	9.393	ug/l	98
47) Bromodichloromethane	9.64	83	15564	9.561	ug/l	99
48) Methyl methacrylate	9.44	41	5810	8.805	ug/l #	92
49) 1,4-Dioxane	9.45	88	2027	190.802	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	32188	45.350	ug/l	97
52) Toluene	10.39	92	30205	9.363	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	14581	8.975	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	17756	9.271	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	8542	9.332	ug/l	97
56) Ethyl methacrylate	10.65	69	9362	8.709	ug/l	97
57) 1,3-Dichloropropane	10.93	76	14806	9.316	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.93	63	22836	44.041	ug/l	99
59) 2-Hexanone	10.97	43	21619	43.472	ug/l	98
60) Dibromochloromethane	11.13	129	10368	9.491	ug/l	98
61) 1,2-Dibromoethane	11.24	107	8527	9.620	ug/l	100
64) Tetrachloroethene	10.86	164	10823	9.393	ug/l	92
65) Chlorobenzene	11.66	112	34980	9.759	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	11390	9.233	ug/l	96
67) Ethyl Benzene	11.73	91	60184	9.670	ug/l	99
68) m/p-Xylenes	11.84	106	45904	19.003	ug/l	98
69) o-Xylene	12.17	106	21742	9.634	ug/l	97
70) Styrene	12.18	104	34619	9.550	ug/l	99
71) Bromoform	12.35	173	5566	9.057	ug/l #	97
73) Isopropylbenzene	12.47	105	58418	9.586	ug/l	99
74) N-amyl acetate	12.27	43	11807	9.041	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	10228	9.867	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	8379m	10.306	ug/l	
77) Bromobenzene	12.75	156	14345	9.800	ug/l	99
78) n-propylbenzene	12.80	91	70124	9.507	ug/l	100
79) 2-Chlorotoluene	12.90	91	40509	9.612	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	49515	9.737	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	2910	9.118	ug/l	98
82) 4-Chlorotoluene	12.99	91	42767	9.711	ug/l	100
83) tert-Butylbenzene	13.21	119	42515	9.499	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	50525	9.753	ug/l	98
85) sec-Butylbenzene	13.39	105	60204	9.369	ug/l	98
86) p-Isopropyltoluene	13.50	119	52829	9.412	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	28714	9.873	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	28700	9.850	ug/l	96
89) n-Butylbenzene	13.83	91	50780	9.432	ug/l	99
90) Hexachloroethane	14.10	117	10316	9.932	ug/l	90
91) 1,2-Dichlorobenzene	13.87	146	25412	9.897	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1576	9.299	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	16119	9.273	ug/l	100
94) Hexachlorobutadiene	15.24	225	9319	9.513	ug/l	98
95) Naphthalene	15.38	128	24645	8.485	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	14518	9.589	ug/l	93

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

