

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055917.D
 Acq On : 31 May 2019 14:18
 Operator : JC/SP
 Sample : VN0531WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 4:12:13 PM

Quant Time: Jun 03 08:25:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	287669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	437476	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	385585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	156698	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	167522	56.39	ug/l	0.00
Spiked Amount			Recovery	=	112.78%	
35) Dibromofluoromethane	7.59	113	144881	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
50) Toluene-d8	10.09	98	551722	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
62) 4-Bromofluorobenzene	12.40	95	182447	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	36843	19.030	ug/l	97
3) Chloromethane	2.06	50	53844	19.850	ug/l	97
4) Vinyl Chloride	2.18	62	57829	19.988	ug/l	97
5) Bromomethane	2.52	94	37585	20.765	ug/l	98
6) Chloroethane	2.67	64	36556	20.986	ug/l	100
7) Trichlorofluoromethane	3.00	101	79508	20.961	ug/l	97
8) Diethyl Ether	3.40	74	36688	21.580	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	50550	21.349	ug/l	99
10) Methyl Iodide	3.94	142	70668	20.414	ug/l	100
11) Tert butyl alcohol	4.82	59	62473	110.061	ug/l	100
12) 1,1-Dichloroethene	3.72	96	49546	20.252	ug/l	99
13) Acrolein	3.60	56	27675	68.091	ug/l	95
14) Allyl chloride	4.31	41	83258	19.851	ug/l	98
15) Acrylonitrile	4.99	53	151199	116.002	ug/l	99
16) Acetone	3.82	43	134916	103.312	ug/l	100
17) Carbon Disulfide	4.03	76	107255	15.430	ug/l	99
18) Methyl Acetate	4.33	43	71103	26.180	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	178475	21.873	ug/l	100
20) Methylene Chloride	4.54	84	61067	21.592	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	52821	20.096	ug/l	95
22) Diisopropyl ether	5.96	45	177979	21.818	ug/l	100
23) Vinyl Acetate	5.89	43	739214	105.692	ug/l	100
24) 1,1-Dichloroethane	5.84	63	100836	21.231	ug/l	99
25) 2-Butanone	6.84	43	205064	112.438	ug/l	100
26) 2,2-Dichloropropane	6.82	77	73610	17.908	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	66358	21.640	ug/l	99
28) Bromochloromethane	7.19	49	52226	23.096	ug/l	98
29) Tetrahydrofuran	7.22	42	132957	115.118	ug/l	98
30) Chloroform	7.37	83	103325	21.814	ug/l	100
31) Cyclohexane	7.65	56	92403	20.722	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	86591	20.486	ug/l	98
36) 1,1-Dichloropropene	7.79	75	73439	19.263	ug/l	99
37) Ethyl Acetate	6.93	43	82452	22.377	ug/l	98
38) Carbon Tetrachloride	7.77	117	71315	17.958	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	89717	19.004	ug/l	99
40) Benzene	8.04	78	237777	20.694	ug/l	100
41) Methacrylonitrile	7.17	41	34323	18.438	ug/l	88
42) 1,2-Dichloroethane	8.12	62	80066	21.325	ug/l	98
43) Isopropyl Acetate	8.17	43	127084	20.527	ug/l #	92
44) Trichloroethene	8.83	130	65434	20.428	ug/l	98
45) 1,2-Dichloropropane	9.12	63	62306	20.813	ug/l	100
46) Dibromomethane	9.21	93	42040	21.413	ug/l	97
47) Bromodichloromethane	9.40	83	78321	19.455	ug/l	99
48) Methyl methacrylate	9.20	41	63165	22.138	ug/l	98
49) 1,4-Dioxane	9.20	88	27532	464.338	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	400232	109.461	ug/l	99
52) Toluene	10.16	92	149880	20.741	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	78577	18.286	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	91216	19.162	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	62883	21.722	ug/l	97
56) Ethyl methacrylate	10.43	69	94016	21.014	ug/l	97
57) 1,3-Dichloropropane	10.71	76	100565	21.371	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	163867	95.840	ug/l	100
59) 2-Hexanone	10.75	43	277329	106.917	ug/l	100
60) Dibromochloromethane	10.90	129	61491	18.233	ug/l	100
61) 1,2-Dibromoethane	11.00	107	63300	21.080	ug/l	100
64) Tetrachloroethene	10.63	164	65831	20.243	ug/l	98
65) Chlorobenzene	11.43	112	161455	20.917	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	59542	19.341	ug/l	100
67) Ethyl Benzene	11.51	91	282693	20.422	ug/l	99
68) m/p-Xylenes	11.62	106	212795	40.663	ug/l	99
69) o-Xylene	11.95	106	107475	20.700	ug/l	98
70) Styrene	11.96	104	170871	20.323	ug/l	99
71) Bromoform	12.13	173	42415	16.152	ug/l #	99
73) Isopropylbenzene	12.25	105	282242	23.931	ug/l	100
74) N-amyl acetate	12.07	43	101114	22.580	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	87632	24.881	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	71603m	24.961	ug/l	
77) Bromobenzene	12.53	156	72242	21.605	ug/l	100
78) n-propylbenzene	12.59	91	292636	21.487	ug/l	100
79) 2-Chlorotoluene	12.67	91	183675	23.697	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	231857	23.347	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20839	17.893	ug/l	90
82) 4-Chlorotoluene	12.77	91	168504	21.048	ug/l	99
83) tert-Butylbenzene	12.99	119	206528	23.885	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	226132	22.871	ug/l	99
85) sec-Butylbenzene	13.17	105	260273	23.418	ug/l	100
86) p-Isopropyltoluene	13.29	119	232026	21.322	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	112977	21.338	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	104440	20.747	ug/l	98
89) n-Butylbenzene	13.61	91	163238	19.578	ug/l	99
90) Hexachloroethane	13.87	117	36840	17.786	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	115246	21.817	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13958	20.103	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47898	18.250	ug/l	99
94) Hexachlorobutadiene	15.01	225	40503	20.717	ug/l	99
95) Naphthalene	15.13	128	165878	22.884	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	55445	19.856	ug/l	99

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

