

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090719\
 Data File : VN057775.D
 Acq On : 8 Sep 2019 00:17
 Operator : JC/SP
 Sample : VN0907WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 3:02:50 PM

Quant Time: Sep 08 07:25:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	203628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	318166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	300238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	169841	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	240850	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
35) Dibromofluoromethane	7.58	113	154808	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
50) Toluene-d8	10.09	98	580781	54.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.36%	
62) 4-Bromofluorobenzene	12.40	95	223033	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	58104	17.968	ug/l	99
3) Chloromethane	2.03	50	56486	12.098	ug/l	94
4) Vinyl Chloride	2.16	62	51456	18.374	ug/l	100
5) Bromomethane	2.54	94	28462	22.130	ug/l	98
6) Chloroethane	2.68	64	30212	18.274	ug/l	90
7) Trichlorofluoromethane	3.00	101	77256	17.190	ug/l	96
8) Diethyl Ether	3.39	74	33082	18.422	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	54156	19.308	ug/l	95
10) Methyl Iodide	3.93	142	62575	22.517	ug/l	97
11) Tert butyl alcohol	4.77	59	49621	88.164	ug/l	99
12) 1,1-Dichloroethene	3.71	96	47016	18.630	ug/l	96
13) Acrolein	3.59	56	21828	81.550	ug/l	94
14) Allyl chloride	4.30	41	93907	16.284	ug/l	99
15) Acrylonitrile	4.96	53	142226	98.290	ug/l	96
16) Acetone	3.80	43	138771	91.032	ug/l	100
17) Carbon Disulfide	4.03	76	96016	16.793	ug/l	97
18) Methyl Acetate	4.30	43	79645	19.212	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	192945	18.211	ug/l	95
20) Methylene Chloride	4.53	84	59576	18.075	ug/l	95
21) trans-1,2-Dichloroethene	5.02	96	50160	18.889	ug/l	91
22) Diisopropyl ether	5.93	45	223573	18.327	ug/l	96
23) Vinyl Acetate	5.87	43	896642	90.806	ug/l	100
24) 1,1-Dichloroethane	5.83	63	114197	18.256	ug/l	100
25) 2-Butanone	6.82	43	210840	96.579	ug/l	98
26) 2,2-Dichloropropane	6.81	77	67717	12.977	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	63610	19.084	ug/l	91
28) Bromochloromethane	7.18	49	62261	19.023	ug/l	93
29) Tetrahydrofuran	7.20	42	136233	96.765	ug/l	99
30) Chloroform	7.36	83	120584	18.500	ug/l	98
31) Cyclohexane	7.64	56	95977	17.262	ug/l	88
32) 1,1,1-Trichloroethane	7.55	97	100436	18.499	ug/l	98
36) 1,1-Dichloropropene	7.78	75	81749	19.314	ug/l	97
37) Ethyl Acetate	6.91	43	87350	20.787	ug/l	99
38) Carbon Tetrachloride	7.76	117	81174	20.029	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	85279	19.048	ug/l	98
40) Benzene	8.03	78	238987	19.962	ug/l	99
41) Methacrylonitrile	7.15	41	34142	16.622	ug/l #	87
42) 1,2-Dichloroethane	8.11	62	106631	19.001	ug/l	96
43) Isopropyl Acetate	8.15	43	152652	18.926	ug/l	98
44) Trichloroethene	8.83	130	58272	21.656	ug/l	100
45) 1,2-Dichloropropane	9.11	63	67361	20.118	ug/l	100
46) Dibromomethane	9.20	93	45819	21.333	ug/l	95
47) Bromodichloromethane	9.40	83	87222	19.108	ug/l #	99
48) Methyl methacrylate	9.19	41	77434	18.667	ug/l	98
49) 1,4-Dioxane	9.19	88	19478	403.566	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	462282	103.203	ug/l	99
52) Toluene	10.15	92	147295	20.299	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	80082	17.487	ug/l	96
54) cis-1,3-Dichloropropene	9.83	75	89055	17.999	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	60642	20.767	ug/l	99
56) Ethyl methacrylate	10.43	69	92750	19.899	ug/l	97
57) 1,3-Dichloropropane	10.71	76	106844	20.369	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	236302	99.930	ug/l	99
59) 2-Hexanone	10.75	43	329910	104.446	ug/l	100
60) Dibromochloromethane	10.90	129	55684	18.882	ug/l	98
61) 1,2-Dibromoethane	11.00	107	60173	21.464	ug/l	99
64) Tetrachloroethene	10.63	164	49857	21.300	ug/l	96
65) Chlorobenzene	11.43	112	156666	20.003	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	56558	20.754	ug/l	98
67) Ethyl Benzene	11.51	91	295507	19.556	ug/l	99
68) m/p-Xylenes	11.62	106	208581	40.076	ug/l	98
69) o-Xylene	11.95	106	103329	20.050	ug/l	99
70) Styrene	11.97	104	174508	19.570	ug/l	99
71) Bromoform	12.13	173	34303	18.995	ug/l #	97
73) Isopropylbenzene	12.25	105	291526	19.415	ug/l	99
74) N-amyl acetate	12.07	43	132274	17.635	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	88707	19.701	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	68047m	17.447	ug/l	
77) Bromobenzene	12.53	156	69189	21.210	ug/l	90
78) n-propylbenzene	12.59	91	343859	19.275	ug/l	98
79) 2-Chlorotoluene	12.68	91	209311	19.273	ug/l	97
80) 1,3,5-Trimethylbenzene	12.74	105	251659	19.730	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	17494	13.950	ug/l	90
82) 4-Chlorotoluene	12.78	91	215568	19.273	ug/l	99
83) tert-Butylbenzene	13.00	119	210958	19.619	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	247258	19.569	ug/l	99
85) sec-Butylbenzene	13.17	105	282234	19.052	ug/l	97
86) p-Isopropyltoluene	13.29	119	247331	19.700	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	123591	20.266	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	120668	19.780	ug/l	97
89) n-Butylbenzene	13.62	91	231453	18.641	ug/l	98
90) Hexachloroethane	13.88	117	34987	17.785	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	122622	20.423	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16254	18.324	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	76053	21.173	ug/l	98
94) Hexachlorobutadiene	15.02	225	38278	21.863	ug/l	96
95) Naphthalene	15.13	128	202490	19.432	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	72636	21.097	ug/l	98

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

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