

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022819\
 Data File : VN053996.D
 Acq On : 28 Feb 2019 11:17
 Operator : JC/SP
 Sample : VN0228WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0228WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/1/2019 4:10:16 PM

Quant Time: Mar 01 04:17:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	619497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1032303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	888359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	394382	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	381269	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
35) Dibromofluoromethane	7.59	113	332329	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
50) Toluene-d8	10.09	98	1218579	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
62) 4-Bromofluorobenzene	12.40	95	396369	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	117266	20.568	ug/l	100
3) Chloromethane	2.06	50	164802	20.839	ug/l	99
4) Vinyl Chloride	2.19	62	162820	20.548	ug/l	100
5) Bromomethane	2.57	94	103096	19.646	ug/l	98
6) Chloroethane	2.71	64	98744	20.038	ug/l	97
7) Trichlorofluoromethane	3.02	101	202401	19.995	ug/l	99
8) Diethyl Ether	3.41	74	75555	19.922	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	129266	20.219	ug/l	94
10) Methyl Iodide	3.96	142	174249	20.742	ug/l	98
11) Tert butyl alcohol	4.78	59	48093	104.468	ug/l	100
12) 1,1-Dichloroethene	3.74	96	119321	19.512	ug/l	90
13) Acrolein	3.61	56	42988	90.192	ug/l	98
14) Allyl chloride	4.33	41	225599	21.033	ug/l	94
15) Acrylonitrile	4.99	53	257964	106.319	ug/l	99
16) Acetone	3.81	43	232269	114.225	ug/l	94
17) Carbon Disulfide	4.06	76	373231	18.918	ug/l	99
18) Methyl Acetate	4.32	43	110960	21.852	ug/l	93
19) Methyl tert-butyl Ether	5.04	73	341618	20.824	ug/l	100
20) Methylene Chloride	4.55	84	143813	20.009	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	133270	20.135	ug/l	92
22) Diisopropyl ether	5.95	45	450043	21.749	ug/l	92
23) Vinyl Acetate	5.90	43	1554517	104.430	ug/l	95
24) 1,1-Dichloroethane	5.85	63	261454	20.604	ug/l	98
25) 2-Butanone	6.83	43	304704	106.862	ug/l	96
26) 2,2-Dichloropropane	6.82	77	189902	21.064	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	152643	20.737	ug/l	94
28) Bromochloromethane	7.19	49	130245	22.424	ug/l #	80
29) Tetrahydrofuran	7.21	42	196705	103.593	ug/l	91
30) Chloroform	7.37	83	251205	20.416	ug/l	99
31) Cyclohexane	7.65	56	247261	21.055	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	208291	20.531	ug/l	97
36) 1,1-Dichloropropene	7.79	75	191625	19.961	ug/l	95
37) Ethyl Acetate	6.93	43	136406	19.899	ug/l	96
38) Carbon Tetrachloride	7.77	117	184554	18.484	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	215414	18.617	ug/l	93
40) Benzene	8.04	78	580813	19.694	ug/l	98
41) Methacrylonitrile	7.17	41	59997	13.593	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	183501	20.098	ug/l	97
43) Isopropyl Acetate	8.16	43	230107	19.882	ug/l #	91
44) Trichloroethene	8.83	130	148753	19.026	ug/l	95
45) 1,2-Dichloropropane	9.12	63	159415	20.035	ug/l	100
46) Dibromomethane	9.21	93	91111	19.724	ug/l	92
47) Bromodichloromethane	9.40	83	193322	19.859	ug/l	100
48) Methyl methacrylate	9.20	41	103956	19.527	ug/l	92
49) 1,4-Dioxane	9.20	88	28459	394.691	ug/l #	88
51) 4-Methyl-2-Pentanone	9.98	43	612075	102.915	ug/l	95
52) Toluene	10.16	92	344511	19.839	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	187960	19.844	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	222944	19.966	ug/l #	92
55) 1,1,2-Trichloroethane	10.56	97	127158	19.607	ug/l	98
56) Ethyl methacrylate	10.43	69	148463	18.731	ug/l	89
57) 1,3-Dichloropropane	10.71	76	220093	20.085	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	340866	95.026	ug/l	95
59) 2-Hexanone	10.75	43	393168	101.644	ug/l	93
60) Dibromochloromethane	10.90	129	137866	19.128	ug/l	100
61) 1,2-Dibromoethane	11.00	107	120858	19.318	ug/l	97
64) Tetrachloroethene	10.63	164	147117	19.557	ug/l	97
65) Chlorobenzene	11.43	112	363673	19.397	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	133952	19.824	ug/l	99
67) Ethyl Benzene	11.51	91	624452	19.868	ug/l	98
68) m/p-Xylenes	11.62	106	473369	39.904	ug/l	95
69) o-Xylene	11.95	106	231159	19.832	ug/l	98
70) Styrene	11.96	104	362811	20.237	ug/l	98
71) Bromoform	12.13	173	90208	19.190	ug/l #	99
73) Isopropylbenzene	12.25	105	607881	19.801	ug/l	98
74) N-amyl acetate	12.07	43	161839	20.113	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	152637	19.882	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	143979m	22.758	ug/l	
77) Bromobenzene	12.53	156	151065	19.381	ug/l	90
78) n-propylbenzene	12.59	91	701802	20.101	ug/l	97
79) 2-Chlorotoluene	12.67	91	422232	20.132	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	514398	20.467	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	37695	18.832	ug/l	91
82) 4-Chlorotoluene	12.77	91	416725	20.104	ug/l	96
83) tert-Butylbenzene	12.99	119	444638	20.003	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	510978	20.365	ug/l	99
85) sec-Butylbenzene	13.17	105	618165	20.361	ug/l	97
86) p-Isopropyltoluene	13.29	119	517256	20.153	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	262184	19.444	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	260172	19.888	ug/l	99
89) n-Butylbenzene	13.62	91	433911	20.060	ug/l	98
90) Hexachloroethane	13.88	117	94867	19.074	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	261859	20.062	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21450	19.771	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	122640	18.389	ug/l	97
94) Hexachlorobutadiene	15.01	225	92576	19.635	ug/l	97
95) Naphthalene	15.13	128	237009	17.415	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	123572	18.776	ug/l	98

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

