

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082619\
 Data File : VN057519.D
 Acq On : 26 Aug 2019 19:05
 Operator : JC/SP
 Sample : VN0826WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 5:30:45 PM

Quant Time: Aug 27 07:42:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	335364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	620900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	560003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	185173	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	317760	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	
35) Dibromofluoromethane	7.57	113	205953	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	10.08	98	827407	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
62) 4-Bromofluorobenzene	12.40	95	261215	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	76099	19.229	ug/l	98
3) Chloromethane	2.05	50	104978	18.573	ug/l	98
4) Vinyl Chloride	2.17	62	134516	19.552	ug/l	98
5) Bromomethane	2.55	94	84021	19.817	ug/l	98
6) Chloroethane	2.69	64	83065	18.770	ug/l	97
7) Trichlorofluoromethane	3.00	101	205678	19.260	ug/l	98
8) Diethyl Ether	3.39	74	76223	20.356	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	110268	20.109	ug/l	97
10) Methyl Iodide	3.92	142	79012	18.120	ug/l	100
11) Tert butyl alcohol	4.79	59	68740	93.780	ug/l #	94
12) 1,1-Dichloroethene	3.71	96	106929	18.732	ug/l	97
13) Acrolein	3.58	56	63697	98.827	ug/l	98
14) Allyl chloride	4.29	41	141498	18.739	ug/l	98
15) Acrylonitrile	4.97	53	190592	96.418	ug/l	98
16) Acetone	3.80	43	181333	66.931	ug/l	99
17) Carbon Disulfide	4.02	76	178498	16.393	ug/l	98
18) Methyl Acetate	4.30	43	121365	20.189	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	248818	18.057	ug/l	100
20) Methylene Chloride	4.52	84	81383	20.216	ug/l	95
21) trans-1,2-Dichloroethene	5.00	96	69565	17.270	ug/l	95
22) Diisopropyl ether	5.93	45	311590	19.239	ug/l	96
23) Vinyl Acetate	5.87	43	1149517	90.870	ug/l	99
24) 1,1-Dichloroethane	5.83	63	163249	19.019	ug/l	99
25) 2-Butanone	6.82	43	271184	92.179	ug/l	98
26) 2,2-Dichloropropane	6.80	77	122495	16.480	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	88831	18.603	ug/l	99
28) Bromochloromethane	7.18	49	101810	22.026	ug/l	97
29) Tetrahydrofuran	7.20	42	180210	92.897	ug/l	99
30) Chloroform	7.36	83	159746	20.103	ug/l	100
31) Cyclohexane	7.63	56	163269	19.702	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	134926	18.325	ug/l	98
36) 1,1-Dichloropropene	7.78	75	116515	18.365	ug/l	99
37) Ethyl Acetate	6.92	43	118249	18.862	ug/l	98
38) Carbon Tetrachloride	7.76	117	106606	16.914	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	137795	18.288	ug/l	97
40) Benzene	8.03	78	350877	18.426	ug/l	97
41) Methacrylonitrile	7.15	41	46865	15.677	ug/l	90
42) 1,2-Dichloroethane	8.11	62	138543	18.896	ug/l	98
43) Isopropyl Acetate	8.16	43	209161	18.196	ug/l	100
44) Trichloroethene	8.83	130	78336	18.429	ug/l	94
45) 1,2-Dichloropropane	9.11	63	100709	18.779	ug/l	94
46) Dibromomethane	9.20	93	63105	19.850	ug/l	100
47) Bromodichloromethane	9.40	83	127188	17.977	ug/l	97
48) Methyl methacrylate	9.19	41	101264	18.526	ug/l	98
49) 1,4-Dioxane	9.20	88	26519	375.170	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	607379	94.808	ug/l	99
52) Toluene	10.15	92	211720	19.291	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	127056	17.145	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	141820	17.188	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	83051	18.712	ug/l	97
56) Ethyl methacrylate	10.43	69	129428	18.538	ug/l	98
57) 1,3-Dichloropropane	10.70	76	146642	18.984	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	202448	114.073	ug/l	98
59) 2-Hexanone	10.75	43	407562	92.753	ug/l	99
60) Dibromochloromethane	10.90	129	81564	17.390	ug/l	99
61) 1,2-Dibromoethane	11.00	107	80847	18.572	ug/l	96
64) Tetrachloroethene	10.63	164	73536	18.769	ug/l	95
65) Chlorobenzene	11.43	112	204924	18.102	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	76360	17.589	ug/l	99
67) Ethyl Benzene	11.51	91	395186	18.036	ug/l	100
68) m/p-Xylenes	11.62	106	277791	37.279	ug/l	98
69) o-Xylene	11.95	106	137698	18.654	ug/l	99
70) Styrene	11.96	104	215562	18.442	ug/l	100
71) Bromoform	12.13	173	45980	15.667	ug/l #	98
73) Isopropylbenzene	12.25	105	370306	20.180	ug/l	99
74) N-amyl acetate	12.07	43	165653	19.334	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	109485	20.898	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	107332m	24.263	ug/l	
77) Bromobenzene	12.53	156	70608	18.890	ug/l	95
78) n-propylbenzene	12.59	91	400094	19.748	ug/l	98
79) 2-Chlorotoluene	12.67	91	235639	19.375	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	299707	20.152	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	28393	14.881	ug/l	86
82) 4-Chlorotoluene	12.77	91	225160	19.243	ug/l	98
83) tert-Butylbenzene	12.99	119	250806	19.745	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	276293	19.192	ug/l	99
85) sec-Butylbenzene	13.17	105	325688	19.683	ug/l	100
86) p-Isopropyltoluene	13.29	119	271568	18.762	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	110015	18.393	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	101641	17.352	ug/l	94
89) n-Butylbenzene	13.62	91	218658	17.852	ug/l	99
90) Hexachloroethane	13.88	117	52080	16.876	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	106267	18.611	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16244	18.039	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	27679	16.066	ug/l	96
94) Hexachlorobutadiene	15.01	225	29715	18.388	ug/l	99
95) Naphthalene	15.13	128	93905	15.980	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	27229	15.704	ug/l	96

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

