

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080519\
 Data File : VN057074.D
 Acq On : 5 Aug 2019 11:32
 Operator : JC/SP
 Sample : VN0805WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0805WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/7/2019 4:09:47 AM

Quant Time: Aug 06 01:33:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	442661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	650448	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	565902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	209219	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	252249	55.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.34%	
35) Dibromofluoromethane	7.58	113	232855	55.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.84%	
50) Toluene-d8	10.08	98	858457	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
62) 4-Bromofluorobenzene	12.40	95	266850	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	89727	20.051	ug/l	96
3) Chloromethane	2.05	50	100511	18.757	ug/l	99
4) Vinyl Chloride	2.18	62	94908	18.889	ug/l	99
5) Bromomethane	2.55	94	61790	19.781	ug/l	99
6) Chloroethane	2.69	64	51993	18.771	ug/l	98
7) Trichlorofluoromethane	3.00	101	135026	20.529	ug/l	100
8) Diethyl Ether	3.40	74	51445	20.899	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82097	20.132	ug/l	98
10) Methyl Iodide	3.94	142	82601	15.159	ug/l	99
11) Tert butyl alcohol	4.77	59	63876	104.291	ug/l	99
12) 1,1-Dichloroethene	3.73	96	77378	19.887	ug/l	98
13) Acrolein	3.60	56	20447	63.205	ug/l	99
14) Allyl chloride	4.31	41	125334	19.802	ug/l	99
15) Acrylonitrile	4.97	53	188371	104.876	ug/l	99
16) Acetone	3.81	43	153762	93.667	ug/l	97
17) Carbon Disulfide	4.04	76	181802	17.584	ug/l	100
18) Methyl Acetate	4.31	43	109535	20.917	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	248959	21.459	ug/l	100
20) Methylene Chloride	4.54	84	93746	19.825	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	83021	20.091	ug/l	98
22) Diisopropyl ether	5.94	45	269958	20.701	ug/l	96
23) Vinyl Acetate	5.88	43	915635	101.338	ug/l	99
24) 1,1-Dichloroethane	5.84	63	157407	20.458	ug/l	100
25) 2-Butanone	6.82	43	232295	99.794	ug/l	96
26) 2,2-Dichloropropane	6.81	77	120020	20.515	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	99107	20.277	ug/l	99
28) Bromochloromethane	7.18	49	68374	18.906	ug/l	96
29) Tetrahydrofuran	7.20	42	157414	103.648	ug/l	100
30) Chloroform	7.36	83	163470	20.780	ug/l	99
31) Cyclohexane	7.64	56	134642	18.084	ug/l	93
32) 1,1,1-Trichloroethane	7.56	97	133572	21.280	ug/l	99
36) 1,1-Dichloropropene	7.78	75	114931	20.081	ug/l	99
37) Ethyl Acetate	6.92	43	90907	19.831	ug/l	97
38) Carbon Tetrachloride	7.76	117	115848	21.398	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	136014	18.594	ug/l	99
40) Benzene	8.03	78	354057	20.084	ug/l	98
41) Methacrylonitrile	7.16	41	43791	20.665	ug/l	96
42) 1,2-Dichloroethane	8.11	62	117722	21.307	ug/l	98
43) Isopropyl Acetate	8.16	43	157139	20.740	ug/l	98
44) Trichloroethene	8.82	130	100942	20.784	ug/l	99
45) 1,2-Dichloropropane	9.11	63	98673	20.926	ug/l	99
46) Dibromomethane	9.20	93	62338	21.922	ug/l	98
47) Bromodichloromethane	9.39	83	119460	21.367	ug/l	98
48) Methyl methacrylate	9.19	41	75659	20.683	ug/l	97
49) 1,4-Dioxane	9.19	88	32366	429.356	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	467495	103.848	ug/l	100
52) Toluene	10.15	92	220511	20.820	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	119597	20.614	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	140741	20.864	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	89689	21.116	ug/l	99
56) Ethyl methacrylate	10.42	69	122532	20.190	ug/l	97
57) 1,3-Dichloropropane	10.70	76	148817	21.129	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	209793	82.423	ug/l	98
59) 2-Hexanone	10.74	43	322677	94.646	ug/l	100
60) Dibromochloromethane	10.90	129	95017	21.835	ug/l	98
61) 1,2-Dibromoethane	11.00	107	90775	21.899	ug/l	99
64) Tetrachloroethene	10.63	164	103385	21.200	ug/l	98
65) Chlorobenzene	11.43	112	236959	20.545	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	92473	21.301	ug/l	99
67) Ethyl Benzene	11.51	91	407640	20.449	ug/l	99
68) m/p-Xylenes	11.62	106	305153	41.479	ug/l	100
69) o-Xylene	11.94	106	147661	20.516	ug/l	100
70) Styrene	11.96	104	238275	19.897	ug/l	99
71) Bromoform	12.12	173	64535	21.293	ug/l #	99
73) Isopropylbenzene	12.25	105	404855	22.390	ug/l	99
74) N-amyl acetate	12.07	43	111065	21.154	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	115509	23.943	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	102763m	24.186	ug/l	
77) Bromobenzene	12.52	156	104132	22.066	ug/l	98
78) n-propylbenzene	12.59	91	413659	21.426	ug/l	99
79) 2-Chlorotoluene	12.67	91	256261	21.556	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	333535	22.475	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	28864	21.827	ug/l	95
82) 4-Chlorotoluene	12.77	91	237005	21.304	ug/l	100
83) tert-Butylbenzene	12.99	119	296580	22.576	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	320987	22.479	ug/l	100
85) sec-Butylbenzene	13.17	105	365065	21.544	ug/l	99
86) p-Isopropyltoluene	13.29	119	324511	21.570	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	148210	20.647	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	141153	20.426	ug/l	100
89) n-Butylbenzene	13.61	91	229063	19.756	ug/l	98
90) Hexachloroethane	13.87	117	56693	21.885	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	150420	21.291	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	15020	20.885	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48559	15.312	ug/l	99
94) Hexachlorobutadiene	15.00	225	61431	23.106	ug/l	96
95) Naphthalene	15.12	128	119337	16.049	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	59670	17.587	ug/l	97

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

