

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100319\
 Data File : VN058510.D
 Acq On : 3 Oct 2019 15:21
 Operator : JC/SP
 Sample : VN1003WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1003WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 9:30:23 AM

Quant Time: Oct 04 04:41:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	314053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	539933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	482277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	220665	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	228748	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
35) Dibromofluoromethane	7.58	113	164451	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
50) Toluene-d8	10.09	98	627186	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
62) 4-Bromofluorobenzene	12.41	95	219889	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	64482	18.725	ug/l	98
3) Chloromethane	2.03	50	77684	20.520	ug/l	99
4) Vinyl Chloride	2.17	62	74716	20.147	ug/l	99
5) Bromomethane	2.55	94	40573	20.597	ug/l	91
6) Chloroethane	2.69	64	46930	21.119	ug/l	99
7) Trichlorofluoromethane	3.00	101	88612	19.800	ug/l	98
8) Diethyl Ether	3.39	74	36383	18.842	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.74	101	61386	20.197	ug/l	99
10) Methyl Iodide	3.93	142	60603	17.982	ug/l	99
11) Tert butyl alcohol	4.76	59	55676	109.202	ug/l #	81
12) 1,1-Dichloroethene	3.72	96	57249	19.324	ug/l	97
13) Acrolein	3.59	56	14687	90.571	ug/l	96
14) Allyl chloride	4.30	41	103273	19.155	ug/l	98
15) Acrylonitrile	4.96	53	158934	106.961	ug/l	99
16) Acetone	3.80	43	167041	106.771	ug/l	99
17) Carbon Disulfide	4.03	76	143179	18.334	ug/l	98
18) Methyl Acetate	4.30	43	77774	19.765	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	203995	19.515	ug/l	99
20) Methylene Chloride	4.53	84	71479	19.798	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	63919	19.402	ug/l	99
22) Diisopropyl ether	5.93	45	230968	19.907	ug/l	93
23) Vinyl Acetate	5.87	43	921895	105.382	ug/l	99
24) 1,1-Dichloroethane	5.83	63	134724	20.633	ug/l	99
25) 2-Butanone	6.82	43	230856	107.476	ug/l	99
26) 2,2-Dichloropropane	6.81	77	104247	19.420	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	76028	19.745	ug/l	99
28) Bromochloromethane	7.18	49	58771	22.517	ug/l	94
29) Tetrahydrofuran	7.19	42	141972	104.138	ug/l	99
30) Chloroform	7.36	83	135431	20.468	ug/l	95
31) Cyclohexane	7.64	56	123155	19.390	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	109516	20.156	ug/l	98
36) 1,1-Dichloropropene	7.78	75	98857	19.148	ug/l	98
37) Ethyl Acetate	6.91	43	91577	20.921	ug/l	99
38) Carbon Tetrachloride	7.76	117	90804	19.485	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	112294	18.625	ug/l	97
40) Benzene	8.03	78	292026	19.678	ug/l	100
41) Methacrylonitrile	7.15	41	37086	18.417	ug/l	92
42) 1,2-Dichloroethane	8.11	62	112351	19.459	ug/l	99
43) Isopropyl Acetate	8.15	43	152095	18.478	ug/l	99
44) Trichloroethene	8.82	130	70585	19.263	ug/l	97
45) 1,2-Dichloropropane	9.11	63	79518	19.979	ug/l	99
46) Dibromomethane	9.20	93	49731	19.730	ug/l	98
47) Bromodichloromethane	9.39	83	99396	20.813	ug/l	99
48) Methyl methacrylate	9.19	41	72863	19.440	ug/l	99
49) 1,4-Dioxane	9.19	88	25462	508.061	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	465799	110.169	ug/l	98
52) Toluene	10.15	92	177940	19.049	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	101772	19.579	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	115763	20.063	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	69958	20.569	ug/l	97
56) Ethyl methacrylate	10.43	69	101553	19.677	ug/l	99
57) 1,3-Dichloropropane	10.71	76	123766	20.401	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	207621	100.888	ug/l	98
59) 2-Hexanone	10.75	43	336146	109.186	ug/l	99
60) Dibromochloromethane	10.90	129	66403	18.505	ug/l	100
61) 1,2-Dibromoethane	11.00	107	69077	19.876	ug/l	100
64) Tetrachloroethene	10.63	164	57496	18.765	ug/l	96
65) Chlorobenzene	11.44	112	184974	19.295	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	63777	19.746	ug/l	99
67) Ethyl Benzene	11.51	91	341428	19.663	ug/l	98
68) m/p-Xylenes	11.63	106	246057	37.663	ug/l	97
69) o-Xylene	11.95	106	119216	18.956	ug/l	98
70) Styrene	11.97	104	198323	19.411	ug/l	99
71) Bromoform	12.13	173	38775	17.825	ug/l #	98
73) Isopropylbenzene	12.25	105	327650	20.092	ug/l	100
74) N-amyl acetate	12.08	43	120777	18.616	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	102951	21.349	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	83497m	20.716	ug/l	
77) Bromobenzene	12.53	156	72083	18.851	ug/l	96
78) n-propylbenzene	12.60	91	376227	20.478	ug/l	99
79) 2-Chlorotoluene	12.68	91	224945	19.836	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	278082	20.371	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	23220	17.497	ug/l	87
82) 4-Chlorotoluene	12.78	91	221532	19.145	ug/l	99
83) tert-Butylbenzene	13.00	119	233141	20.240	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	270452	19.774	ug/l	99
85) sec-Butylbenzene	13.18	105	312300	20.598	ug/l	99
86) p-Isopropyltoluene	13.30	119	271826	20.368	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	131958	19.032	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	128910	18.687	ug/l	97
89) n-Butylbenzene	13.62	91	241268	19.957	ug/l	99
90) Hexachloroethane	13.88	117	41578	20.735	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	131319	19.712	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	17137	20.152	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	69100	18.770	ug/l	99
94) Hexachlorobutadiene	15.02	225	38862	20.538	ug/l	99
95) Naphthalene	15.14	128	185616	17.198	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	68784	18.621	ug/l	99

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

