

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058755.D
 Acq On : 14 Oct 2019 17:39
 Operator : JC/SP
 Sample : K5111-08 5.0PPB LOQ
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:57:12 AM

Quant Time: Oct 15 04:02:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	374540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	614914	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	558552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	246494	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	281093	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
35) Dibromofluoromethane	7.57	113	201231	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
50) Toluene-d8	10.08	98	759526	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.41	95	262561	45.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	23768	5.095	ug/l	98
3) Chloromethane	2.04	50	30515	5.501	ug/l	99
4) Vinyl Chloride	2.17	62	30282	5.481	ug/l	99
5) Bromomethane	2.54	94	20087	5.977	ug/l	94
6) Chloroethane	2.68	64	19561	5.740	ug/l	93
7) Trichlorofluoromethane	2.99	101	38266	5.788	ug/l	98
8) Diethyl Ether	3.39	74	12316	5.042	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	20666	5.482	ug/l	99
10) Methyl Iodide	3.93	142	25726	5.001	ug/l	99
11) Tert butyl alcohol	4.76	59	23201	27.321	ug/l #	83
12) 1,1-Dichloroethene	3.72	96	19897	5.532	ug/l	90
13) Acrolein	3.58	56	15483	22.670	ug/l	94
14) Allyl chloride	4.30	41	37743	5.200	ug/l	99
15) Acrylonitrile	4.96	53	58987	27.544	ug/l	96
16) Acetone	3.80	43	53799	24.783	ug/l	95
17) Carbon Disulfide	4.03	76	59860	5.206	ug/l	99
18) Methyl Acetate	4.30	43	32848	5.965	ug/l #	79
19) Methyl tert-butyl Ether	5.02	73	64269	5.004	ug/l	95
20) Methylene Chloride	4.53	84	25119	5.537	ug/l #	96
21) trans-1,2-Dichloroethene	5.01	96	21295	5.293	ug/l	97
22) Diisopropyl ether	5.93	45	71257	5.049	ug/l #	86
23) Vinyl Acetate	5.88	43	291768	25.620	ug/l	99
24) 1,1-Dichloroethane	5.83	63	43002	5.350	ug/l	98
25) 2-Butanone	6.82	43	80317	25.598	ug/l	96
26) 2,2-Dichloropropane	6.80	77	35449	4.831	ug/l	96
27) cis-1,2-Dichloroethene	6.81	96	24288	5.177	ug/l	99
28) Bromochloromethane	7.18	49	15068	5.388	ug/l	99
29) Tetrahydrofuran	7.20	42	53901	26.583	ug/l	98
30) Chloroform	7.36	83	43574	5.396	ug/l	96
31) Cyclohexane	7.64	56	44560	5.794	ug/l #	81
32) 1,1,1-Trichloroethane	7.55	97	36885	5.355	ug/l	97
36) 1,1-Dichloropropene	7.78	75	31518	5.069	ug/l	97
37) Ethyl Acetate	6.91	43	32030	5.094	ug/l	98
38) Carbon Tetrachloride	7.75	117	32793	5.412	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	34890	4.836	ug/l	97
40) Benzene	8.03	78	93701	5.248	ug/l	99
41) Methacrylonitrile	7.15	41	9377	3.186	ug/l #	39
42) 1,2-Dichloroethane	8.11	62	36286	5.290	ug/l	97
43) Isopropyl Acetate	8.15	43	54040	5.045	ug/l #	90
44) Trichloroethene	8.82	130	23975	5.407	ug/l	95
45) 1,2-Dichloropropane	9.11	63	25075	5.246	ug/l	96
46) Dibromomethane	9.20	93	16319	5.385	ug/l	98
47) Bromodichloromethane	9.39	83	33569	5.440	ug/l	99
48) Methyl methacrylate	9.19	41	23149	4.768	ug/l	97
49) 1,4-Dioxane	9.19	88	7959	105.958	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	160435	26.670	ug/l	96
52) Toluene	10.15	92	56084	5.135	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	34561	4.883	ug/l	93
54) cis-1,3-Dichloropropene	9.83	75	36523	4.860	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	22986	5.142	ug/l	97
56) Ethyl methacrylate	10.43	69	29686	4.546	ug/l	93
57) 1,3-Dichloropropane	10.71	76	38668	5.077	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.69	63	69211	21.993	ug/l	100
59) 2-Hexanone	10.75	43	114294	24.585	ug/l	98
60) Dibromochloromethane	10.90	129	23324	5.058	ug/l	97
61) 1,2-Dibromoethane	11.00	107	22897	5.113	ug/l	97
64) Tetrachloroethene	10.63	164	21524	5.506	ug/l	96
65) Chlorobenzene	11.43	112	57862	5.101	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	22078	5.264	ug/l	97
67) Ethyl Benzene	11.51	91	104372	5.162	ug/l	99
68) m/p-Xylenes	11.62	106	73405	9.674	ug/l	100
69) o-Xylene	11.95	106	35057	4.775	ug/l	100
70) Styrene	11.97	104	53061	4.410	ug/l	98
71) Bromoform	12.13	173	15657	5.093	ug/l #	99
73) Isopropylbenzene	12.25	105	92617	5.188	ug/l	98
74) N-amyl acetate	12.07	43	38254	4.771	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	34004	5.782	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	31076m	5.747	ug/l	
77) Bromobenzene	12.53	156	22984	5.293	ug/l	97
78) n-propylbenzene	12.60	91	110192	5.297	ug/l	99
79) 2-Chlorotoluene	12.68	91	68110	5.275	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	78405	5.144	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	9110	4.513	ug/l	89
82) 4-Chlorotoluene	12.78	91	68230	5.150	ug/l	99
83) tert-Butylbenzene	13.00	119	65783	5.038	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	77702	5.136	ug/l	99
85) sec-Butylbenzene	13.18	105	89853	5.223	ug/l	99
86) p-Isopropyltoluene	13.30	119	76561	4.896	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	40667	5.078	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	40551	4.981	ug/l	94
89) n-Butylbenzene	13.62	91	66150	4.575	ug/l	98
90) Hexachloroethane	13.88	117	15399	5.504	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	40769	5.224	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	7706	5.609	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	20446	4.295	ug/l	98
94) Hexachlorobutadiene	15.02	225	12939	5.161	ug/l	97
95) Naphthalene	15.13	128	53438	3.905	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	20119	4.328	ug/l	98

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

