

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054167.D
 Acq On : 12 Mar 2019 16:56
 Operator : JC/SP
 Sample : K1560-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:48:36 AM

Quant Time: Mar 13 11:39:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 11:34:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1509931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2228069	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1928417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	769705	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	786044	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	7.59	113	703405	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
50) Toluene-d8	10.09	98	2572975	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
62) 4-Bromofluorobenzene	12.40	95	842748	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	28598	1.998	ug/l	99
3) Chloromethane	2.06	50	33088	2.380	ug/l	97
4) Vinyl Chloride	2.19	62	36167	2.276	ug/l	98
5) Bromomethane	2.56	94	46221	4.200	ug/l	99
6) Chloroethane	2.70	64	23207	2.414	ug/l	94
7) Trichlorofluoromethane	3.02	101	48813	2.311	ug/l	99
8) Diethyl Ether	3.41	74	20455	2.125	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	32295	2.040	ug/l	96
10) Methyl Iodide	3.94	142	118514	5.691	ug/l	98
11) Tert butyl alcohol	4.81	59	46576	42.369	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	31569	2.012	ug/l	96
13) Acrolein	3.61	56	52718	50.608	ug/l	96
14) Allyl chloride	4.32	41	35163	1.747	ug/l	92
15) Acrylonitrile	5.00	53	43265	9.581	ug/l	99
16) Acetone	3.82	43	81482	17.747	ug/l	98
17) Carbon Disulfide	4.04	76	74602	1.897	ug/l	99
18) Methyl Acetate	4.33	43	18962	2.041	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	77679	1.998	ug/l	97
20) Methylene Chloride	4.54	84	33256	2.206	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	30946	2.059	ug/l	94
22) Diisopropyl ether	5.96	45	77591	1.932	ug/l	97
23) Vinyl Acetate	5.90	43	266301	8.992	ug/l	99
24) 1,1-Dichloroethane	5.85	63	52577	2.039	ug/l	98
25) 2-Butanone	6.86	43	49831	9.247	ug/l	97
26) 2,2-Dichloropropane	6.82	77	43329	1.910	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	34966	2.085	ug/l	97
28) Bromochloromethane	7.19	49	22009	2.087	ug/l	96
29) Tetrahydrofuran	7.22	42	32044	9.248	ug/l	100
30) Chloroform	7.37	83	53347	1.982	ug/l	94
31) Cyclohexane	7.65	56	67043	2.415	ug/l #	75
32) 1,1,1-Trichloroethane	7.57	97	46520	1.914	ug/l	98
36) 1,1-Dichloropropene	7.79	75	40483	1.973	ug/l	98
37) Ethyl Acetate	6.95	43	20687	1.755	ug/l	96
38) Carbon Tetrachloride	7.77	117	39784	1.849	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	51015	2.021	ug/l	98
40) Benzene	8.04	78	117300	1.998	ug/l	95
41) Methacrylonitrile	7.18	41	11794	1.752	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	40661	2.051	ug/l	98
43) Isopropyl Acetate	8.17	43	36896	1.783	ug/l	98
44) Trichloroethene	8.84	130	36492	2.001	ug/l	94
45) 1,2-Dichloropropane	9.12	63	29203	2.003	ug/l	99
46) Dibromomethane	9.21	93	19350	1.964	ug/l	97
47) Bromodichloromethane	9.40	83	37846	1.916	ug/l	98
48) Methyl methacrylate	9.20	41	19226	1.831	ug/l	93
49) 1,4-Dioxane	9.20	88	5060	34.063	ug/l	89
51) 4-Methyl-2-Pentanone	9.99	43	100268	9.156	ug/l	97
52) Toluene	10.16	92	76860	2.064	ug/l	94
53) t-1,3-Dichloropropene	10.38	75	33846	1.684	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	41762	1.815	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	27740	2.041	ug/l	96
56) Ethyl methacrylate	10.43	69	28710	1.771	ug/l	96
57) 1,3-Dichloropropane	10.71	76	44721	2.012	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	53595	8.729	ug/l	99
59) 2-Hexanone	10.75	43	64677	8.876	ug/l	98
60) Dibromochloromethane	10.90	129	26012	1.700	ug/l	96
61) 1,2-Dibromoethane	11.00	107	27309	1.977	ug/l	95
64) Tetrachloroethene	10.63	164	38981	2.091	ug/l	98
65) Chlorobenzene	11.43	112	86703	2.048	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	28494	1.852	ug/l	89
67) Ethyl Benzene	11.51	91	141494	2.016	ug/l	98
68) m/p-Xylenes	11.62	106	109624	3.996	ug/l	100
69) o-Xylene	11.95	106	55277	2.067	ug/l	100
70) Styrene	11.96	104	79216	1.889	ug/l	96
71) Bromoform	12.13	173	16976	1.667	ug/l #	99
73) Isopropylbenzene	12.25	105	149248	2.424	ug/l	99
74) N-amyl acetate	12.07	43	25599	1.873	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	29374	2.239	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	25410m	2.245	ug/l	
77) Bromobenzene	12.53	156	36566	2.244	ug/l	99
78) n-propylbenzene	12.59	91	149044	2.231	ug/l	100
79) 2-Chlorotoluene	12.67	91	93745	2.333	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	114380	2.233	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	5886m	1.778	ug/l	
82) 4-Chlorotoluene	12.77	91	84864	2.115	ug/l	98
83) tert-Butylbenzene	12.99	119	110983	2.354	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	108018	2.150	ug/l	99
85) sec-Butylbenzene	13.17	105	140620	2.300	ug/l	99
86) p-Isopropyltoluene	13.29	119	119035	2.219	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	62515	2.277	ug/l	94
88) 1,4-Dichlorobenzene	13.36	146	57206	2.121	ug/l	91
89) n-Butylbenzene	13.62	91	80422	1.973	ug/l	99
90) Hexachloroethane	13.87	117	16626	1.872	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	57808	2.154	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4070	2.005	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	25587	1.844	ug/l	97
94) Hexachlorobutadiene	15.01	225	26671	2.609	ug/l	100
95) Naphthalene	15.13	128	47019	1.648	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	22694	1.591	ug/l	99

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

