

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103119\
 Data File : VN059028.D
 Acq On : 31 Oct 2019 10:33
 Operator : JC/SP
 Sample : VN1031WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/4/2019 7:04:10 AM

Quant Time: Nov 01 00:37:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	396445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	630477	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	576557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	267243	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	272604	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
35) Dibromofluoromethane	7.57	113	205358	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
50) Toluene-d8	10.08	98	767685	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	12.41	95	284887	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	87022	17.606	ug/l	100
3) Chloromethane	2.04	50	116759	19.073	ug/l	98
4) Vinyl Chloride	2.17	62	119158	19.604	ug/l	100
5) Bromomethane	2.54	94	69899	18.364	ug/l	94
6) Chloroethane	2.68	64	71998	18.471	ug/l	96
7) Trichlorofluoromethane	3.00	101	146942	19.538	ug/l	99
8) Diethyl Ether	3.39	74	55400	21.316	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	84982	20.382	ug/l	97
10) Methyl Iodide	3.93	142	100069	18.248	ug/l	98
11) Tert butyl alcohol	4.76	59	111983	116.058	ug/l	99
12) 1,1-Dichloroethene	3.71	96	79263	20.281	ug/l	97
13) Acrolein	3.59	56	46048	69.456	ug/l	99
14) Allyl chloride	4.30	41	166852	21.098	ug/l	96
15) Acrylonitrile	4.96	53	287348	118.392	ug/l	98
16) Acetone	3.79	43	307554	107.043	ug/l	96
17) Carbon Disulfide	4.03	76	219862	17.464	ug/l	99
18) Methyl Acetate	4.30	43	153493	23.498	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	302579	22.111	ug/l	99
20) Methylene Chloride	4.53	84	99803	20.343	ug/l	94
21) trans-1,2-Dichloroethene	5.01	96	86971	20.151	ug/l	98
22) Diisopropyl ether	5.93	45	342014	22.110	ug/l	98
23) Vinyl Acetate	5.87	43	1410775	113.517	ug/l	99
24) 1,1-Dichloroethane	5.82	63	186527	20.796	ug/l	99
25) 2-Butanone	6.81	43	410745	110.129	ug/l	99
26) 2,2-Dichloropropane	6.80	77	158119	20.381	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	105741	21.446	ug/l	96
28) Bromochloromethane	7.17	49	58501	19.584	ug/l	100
29) Tetrahydrofuran	7.19	42	262669	115.126	ug/l	99
30) Chloroform	7.35	83	182240	20.255	ug/l	98
31) Cyclohexane	7.63	56	160496	19.207	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	155054	20.446	ug/l	99
36) 1,1-Dichloropropene	7.78	75	128874	19.966	ug/l	99
37) Ethyl Acetate	6.91	43	163168	23.200	ug/l	99
38) Carbon Tetrachloride	7.75	117	133584	20.089	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	142683	19.687	ug/l	98
40) Benzene	8.02	78	400000	21.103	ug/l	99
41) Methacrylonitrile	7.16	41	69098m	22.059	ug/l	
42) 1,2-Dichloroethane	8.11	62	145667	19.950	ug/l	99
43) Isopropyl Acetate	8.15	43	249448	22.115	ug/l #	93
44) Trichloroethene	8.82	130	96268	20.850	ug/l	98
45) 1,2-Dichloropropane	9.11	63	110189	21.200	ug/l	99
46) Dibromomethane	9.20	93	69741	21.225	ug/l	98
47) Bromodichloromethane	9.39	83	141049	20.828	ug/l	98
48) Methyl methacrylate	9.19	41	112587	22.000	ug/l	96
49) 1,4-Dioxane	9.19	88	39237	467.051	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	797419	121.033	ug/l	100
52) Toluene	10.15	92	239807	21.335	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	157874	21.058	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	170751	21.318	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	101284	21.874	ug/l	97
56) Ethyl methacrylate	10.43	69	151143	20.714	ug/l	96
57) 1,3-Dichloropropane	10.70	76	172287	21.199	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	310072	97.930	ug/l	100
59) 2-Hexanone	10.75	43	595047	116.880	ug/l	98
60) Dibromochloromethane	10.90	129	106049	21.278	ug/l	98
61) 1,2-Dibromoethane	11.00	107	101266	21.370	ug/l	100
64) Tetrachloroethene	10.63	164	84324	20.884	ug/l	97
65) Chlorobenzene	11.43	112	255603	21.776	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	99218	22.400	ug/l	98
67) Ethyl Benzene	11.51	91	460653	22.372	ug/l	97
68) m/p-Xylenes	11.62	106	332200	43.504	ug/l	99
69) o-Xylene	11.95	106	160852	22.087	ug/l	99
70) Styrene	11.97	104	264271	20.698	ug/l	99
71) Bromoform	12.13	173	75402	21.953	ug/l #	99
73) Isopropylbenzene	12.25	105	442023	22.632	ug/l	100
74) N-amyl acetate	12.07	43	197986	22.361	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	157394	22.919	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	141030m	22.770	ug/l	
77) Bromobenzene	12.53	156	107609	22.354	ug/l	97
78) n-propylbenzene	12.60	91	519710	22.512	ug/l	99
79) 2-Chlorotoluene	12.68	91	311962	22.079	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	371204	22.622	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	51864	21.814	ug/l	97
82) 4-Chlorotoluene	12.78	91	316460	21.917	ug/l	100
83) tert-Butylbenzene	13.00	119	317364	22.617	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	366617	22.652	ug/l	98
85) sec-Butylbenzene	13.18	105	421094	22.509	ug/l	99
86) p-Isopropyltoluene	13.29	119	372697	22.578	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	187870	21.826	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	186164	21.602	ug/l	99
89) n-Butylbenzene	13.62	91	326060	21.503	ug/l	98
90) Hexachloroethane	13.88	117	72894	21.792	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	187012	22.105	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	33964	21.866	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	99923	20.337	ug/l	99
94) Hexachlorobutadiene	15.02	225	61698	22.500	ug/l	99
95) Naphthalene	15.13	128	280840	19.755	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	102333	21.186	ug/l	99

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

