

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN033119\
 Data File : VN054853.D
 Acq On : 31 Mar 2019 16:25
 Operator : JC/SP
 Sample : VN0331WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0331WBS02

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 12:49:57 PM

Quant Time: Apr 01 03:32:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	393426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	672511	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	566367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	236007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	299346	56.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.88%	
35) Dibromofluoromethane	7.59	113	235417	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
50) Toluene-d8	10.09	98	861185	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
62) 4-Bromofluorobenzene	12.40	95	281016	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	78182	19.646	ug/l	98
3) Chloromethane	2.06	50	110341	20.053	ug/l	99
4) Vinyl Chloride	2.19	62	101451	20.531	ug/l	98
5) Bromomethane	2.57	94	50637	18.113	ug/l	98
6) Chloroethane	2.71	64	56271	20.394	ug/l	99
7) Trichlorofluoromethane	3.02	101	126753	20.865	ug/l	100
8) Diethyl Ether	3.41	74	44159	22.575	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	66186	20.696	ug/l	93
10) Methyl Iodide	3.94	142	77666	17.740	ug/l #	87
11) Tert butyl alcohol	4.83	59	36849	133.356	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	65666	21.233	ug/l #	67
13) Acrolein	3.61	56	26848	108.685	ug/l	98
14) Allyl chloride	4.32	41	158915	20.862	ug/l #	90
15) Acrylonitrile	5.00	53	181376	118.093	ug/l	99
16) Acetone	3.82	43	138371	109.410	ug/l #	83
17) Carbon Disulfide	4.04	76	187780	18.721	ug/l	99
18) Methyl Acetate	4.33	43	88471	26.424	ug/l #	88
19) Methyl tert-butyl Ether	5.06	73	243437	22.503	ug/l	94
20) Methylene Chloride	4.54	84	100331	22.490	ug/l #	86
21) trans-1,2-Dichloroethene	5.04	96	83959	20.669	ug/l #	82
22) Diisopropyl ether	5.96	45	329973	21.902	ug/l #	94
23) Vinyl Acetate	5.90	43	1208211	115.238	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	176850	22.005	ug/l	98
25) 2-Butanone	6.85	43	226950	121.399	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	108221	19.212	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	100820	21.971	ug/l	90
28) Bromochloromethane	7.19	49	95982	23.884	ug/l #	70
29) Tetrahydrofuran	7.22	42	154740	119.175	ug/l #	85
30) Chloroform	7.37	83	169769	22.153	ug/l	97
31) Cyclohexane	7.65	56	166630	21.584	ug/l #	83
32) 1,1,1-Trichloroethane	7.57	97	138422	21.796	ug/l	95
36) 1,1-Dichloropropene	7.79	75	122288	19.515	ug/l	96
37) Ethyl Acetate	6.94	43	105020	22.853	ug/l #	95
38) Carbon Tetrachloride	7.77	117	120179	19.745	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	130846	18.993	ug/l	89
40) Benzene	8.04	78	376399	20.992	ug/l	98
41) Methacrylonitrile	7.18	41	59594	23.085	ug/l #	88
42) 1,2-Dichloroethane	8.13	62	133776	20.895	ug/l	98
43) Isopropyl Acetate	8.17	43	172619	23.118	ug/l #	92
44) Trichloroethene	8.83	130	94198	20.237	ug/l	91
45) 1,2-Dichloropropane	9.12	63	105885	20.710	ug/l	99
46) Dibromomethane	9.21	93	61726	21.461	ug/l	90
47) Bromodichloromethane	9.40	83	128493	21.496	ug/l	95
48) Methyl methacrylate	9.20	41	86936	21.478	ug/l #	86
49) 1,4-Dioxane	9.21	88	19196	477.974	ug/l #	75
51) 4-Methyl-2-Pentanone	9.99	43	488432	116.347	ug/l	93
52) Toluene	10.16	92	226360	21.215	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	112797	20.060	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	139439	20.760	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	83034	20.929	ug/l	95
56) Ethyl methacrylate	10.43	69	111335	21.393	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	147376	21.607	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	211779	100.909	ug/l	89
59) 2-Hexanone	10.75	43	306687	114.119	ug/l	89
60) Dibromochloromethane	10.90	129	83550	20.790	ug/l	99
61) 1,2-Dibromoethane	11.01	107	80115	21.131	ug/l	98
64) Tetrachloroethene	10.63	164	88128	20.277	ug/l	95
65) Chlorobenzene	11.44	112	228189	20.578	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	86273	20.786	ug/l	97
67) Ethyl Benzene	11.51	91	408706	20.425	ug/l	99
68) m/p-Xylenes	11.62	106	302341	40.829	ug/l	95
69) o-Xylene	11.95	106	145808	20.080	ug/l	91
70) Styrene	11.96	104	241863	20.832	ug/l	96
71) Bromoform	12.13	173	51588	21.216	ug/l #	97
73) Isopropylbenzene	12.25	105	394631	20.458	ug/l	97
74) N-amyl acetate	12.07	43	129241	21.505	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.51	83	106065	24.053	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	94607m	23.075	ug/l	
77) Bromobenzene	12.53	156	95313	20.473	ug/l	85
78) n-propylbenzene	12.59	91	428861	20.227	ug/l	95
79) 2-Chlorotoluene	12.68	91	266621	20.326	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	318930	20.149	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	19752	18.739	ug/l #	75
82) 4-Chlorotoluene	12.77	91	252260	19.800	ug/l	96
83) tert-Butylbenzene	12.99	119	278047	21.481	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	311904	20.684	ug/l	97
85) sec-Butylbenzene	13.17	105	347884	20.232	ug/l	96
86) p-Isopropyltoluene	13.29	119	297916	19.645	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	153405	19.681	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	147214	19.256	ug/l	97
89) n-Butylbenzene	13.62	91	225706	18.242	ug/l	96
90) Hexachloroethane	13.87	117	50256	19.518	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	152713	19.413	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14610	22.155	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	64232	16.937	ug/l	100
94) Hexachlorobutadiene	15.01	225	44668	18.565	ug/l	98
95) Naphthalene	15.13	128	155532	18.285	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	70493	18.405	ug/l	97

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

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