

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022619\
 Data File : VN053948.D
 Acq On : 26 Feb 2019 12:10
 Operator : JC/SP
 Sample : VN0226WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/28/2019 10:49:52 AM

Quant Time: Feb 27 02:40:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	666236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1028941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	892332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	397620	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	360417	46.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.30%	
35) Dibromofluoromethane	7.59	113	321382	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
50) Toluene-d8	10.09	98	1185697	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
62) 4-Bromofluorobenzene	12.40	95	389625	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	124460	20.298	ug/l	98
3) Chloromethane	2.06	50	163270	19.197	ug/l	100
4) Vinyl Chloride	2.18	62	160115	18.789	ug/l	99
5) Bromomethane	2.57	94	105591	18.710	ug/l	99
6) Chloroethane	2.71	64	97284	18.356	ug/l	99
7) Trichlorofluoromethane	3.02	101	206062	18.928	ug/l	99
8) Diethyl Ether	3.41	74	74442	18.252	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	132064	19.208	ug/l	94
10) Methyl Iodide	3.95	142	166191	18.395	ug/l	99
11) Tert butyl alcohol	4.77	59	41191	83.199	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	124277	18.896	ug/l	93
13) Acrolein	3.60	56	37889	73.917	ug/l	99
14) Allyl chloride	4.32	41	206546	17.906	ug/l	93
15) Acrylonitrile	4.98	53	230936	88.502	ug/l	98
16) Acetone	3.81	43	212574	95.302	ug/l	97
17) Carbon Disulfide	4.05	76	385151	18.153	ug/l	100
18) Methyl Acetate	4.32	43	96941	17.752	ug/l	95
19) Methyl tert-butyl Ether	5.04	73	325970	18.476	ug/l	96
20) Methylene Chloride	4.55	84	141109	18.256	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	133684	18.780	ug/l	93
22) Diisopropyl ether	5.95	45	432264	19.424	ug/l	95
23) Vinyl Acetate	5.89	43	1475449	92.165	ug/l	96
24) 1,1-Dichloroethane	5.85	63	258492	18.942	ug/l	99
25) 2-Butanone	6.83	43	276886	90.294	ug/l	93
26) 2,2-Dichloropropane	6.82	77	186670	19.253	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	148510	18.760	ug/l	94
28) Bromochloromethane	7.19	49	131915	21.118	ug/l #	81
29) Tetrahydrofuran	7.21	42	176589	86.475	ug/l	93
30) Chloroform	7.37	83	250247	18.911	ug/l	97
31) Cyclohexane	7.65	56	247282	19.551	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	206057	18.886	ug/l	96
36) 1,1-Dichloropropene	7.79	75	188497	19.699	ug/l	98
37) Ethyl Acetate	6.93	43	120252	17.600	ug/l	98
38) Carbon Tetrachloride	7.77	117	183204	18.409	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	220497	19.118	ug/l	93
40) Benzene	8.04	78	566519	19.272	ug/l	99
41) Methacrylonitrile	7.18	41	70972	16.132	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	177033	19.453	ug/l	97
43) Isopropyl Acetate	8.16	43	205725	17.833	ug/l	92
44) Trichloroethene	8.83	130	151038	19.381	ug/l	94
45) 1,2-Dichloropropane	9.12	63	154387	19.467	ug/l	98
46) Dibromomethane	9.21	93	87664	19.040	ug/l	93
47) Bromodichloromethane	9.40	83	184992	19.065	ug/l	100
48) Methyl methacrylate	9.20	41	96308	18.150	ug/l	91
49) 1,4-Dioxane	9.20	88	25212	350.802	ug/l #	87
51) 4-Methyl-2-Pentanone	9.98	43	550297	92.830	ug/l	95
52) Toluene	10.15	92	339952	19.640	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	179849	19.050	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	214846	19.303	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	124656	19.284	ug/l	98
56) Ethyl methacrylate	10.43	69	141183	17.960	ug/l	91
57) 1,3-Dichloropropane	10.71	76	210608	19.282	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	335639	94.039	ug/l	96
59) 2-Hexanone	10.75	43	350164	90.822	ug/l	94
60) Dibromochloromethane	10.90	129	133309	18.556	ug/l	100
61) 1,2-Dibromoethane	11.00	107	117481	18.840	ug/l	98
64) Tetrachloroethene	10.63	164	149884	19.836	ug/l	98
65) Chlorobenzene	11.43	112	355341	18.869	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	131883	19.431	ug/l	99
67) Ethyl Benzene	11.51	91	620653	19.659	ug/l	97
68) m/p-Xylenes	11.62	106	478030	40.118	ug/l	97
69) o-Xylene	11.95	106	225384	19.250	ug/l	96
70) Styrene	11.96	104	358994	19.935	ug/l	98
71) Bromoform	12.13	173	86686	18.359	ug/l #	100
73) Isopropylbenzene	12.25	105	607516	19.628	ug/l	98
74) N-amyl acetate	12.07	43	147247	18.151	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	141912	18.335	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	114896m	18.013	ug/l	
77) Bromobenzene	12.53	156	150582	19.162	ug/l	92
78) n-propylbenzene	12.59	91	711530	20.214	ug/l	97
79) 2-Chlorotoluene	12.67	91	418819	19.806	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	511256	20.176	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35955	17.816	ug/l	94
82) 4-Chlorotoluene	12.77	91	419179	20.057	ug/l	96
83) tert-Butylbenzene	12.99	119	435966	19.453	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	518681	20.503	ug/l	98
85) sec-Butylbenzene	13.17	105	621083	20.290	ug/l	98
86) p-Isopropyltoluene	13.29	119	532692	20.586	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	262930	19.341	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	258898	19.630	ug/l	98
89) n-Butylbenzene	13.61	91	447035	20.499	ug/l	98
90) Hexachloroethane	13.87	117	92974	18.541	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	258816	19.668	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20036	18.318	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	119968	17.908	ug/l	97
94) Hexachlorobutadiene	15.01	225	95960	20.187	ug/l	97
95) Naphthalene	15.13	128	223287	16.483	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	118154	17.887	ug/l	98

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

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