

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030219\
 Data File : VN054034.D
 Acq On : 1 Mar 2019 17:28
 Operator : JC/SP
 Sample : VN0302WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/4/2019 1:53:41 PM

Quant Time: Mar 02 05:20:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	605627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1030860	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	889846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	376973	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	388431	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	
35) Dibromofluoromethane	7.59	113	337953	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	10.09	98	1241849	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.40	95	401475	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	112614	20.204	ug/l	99
3) Chloromethane	2.06	50	165758	21.440	ug/l	99
4) Vinyl Chloride	2.19	62	164508	21.237	ug/l	100
5) Bromomethane	2.57	94	104245	20.320	ug/l	97
6) Chloroethane	2.71	64	99350	20.622	ug/l	100
7) Trichlorofluoromethane	3.02	101	205185	20.734	ug/l	98
8) Diethyl Ether	3.41	74	79877	21.544	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	129211	20.673	ug/l	93
10) Methyl Iodide	3.95	142	170292	20.735	ug/l	97
11) Tert butyl alcohol	4.78	59	46440	103.188	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	122068	20.418	ug/l	88
13) Acrolein	3.61	56	41977	90.088	ug/l	99
14) Allyl chloride	4.33	41	231235	22.052	ug/l	95
15) Acrylonitrile	4.99	53	258640	109.039	ug/l	99
16) Acetone	3.82	43	219465	109.972	ug/l	96
17) Carbon Disulfide	4.06	76	370914	19.232	ug/l	99
18) Methyl Acetate	4.32	43	118189	23.809	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	347929	21.694	ug/l	97
20) Methylene Chloride	4.55	84	147582	21.004	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	134300	20.755	ug/l	93
22) Diisopropyl ether	5.95	45	458737	22.677	ug/l	93
23) Vinyl Acetate	5.90	43	1568283	107.768	ug/l	94
24) 1,1-Dichloroethane	5.85	63	266971	21.521	ug/l	99
25) 2-Butanone	6.84	43	301323	108.097	ug/l	92
26) 2,2-Dichloropropane	6.83	77	191919	21.776	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	151592	21.066	ug/l	92
28) Bromochloromethane	7.19	49	133591	23.527	ug/l #	81
29) Tetrahydrofuran	7.21	42	198682	107.031	ug/l	91
30) Chloroform	7.37	83	258495	21.490	ug/l	99
31) Cyclohexane	7.65	56	247137	21.536	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	212244	21.400	ug/l	96
36) 1,1-Dichloropropene	7.79	75	192046	20.033	ug/l	97
37) Ethyl Acetate	6.93	43	126904	18.539	ug/l	97
38) Carbon Tetrachloride	7.77	117	182096	18.264	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	217368	18.812	ug/l	94
40) Benzene	8.04	78	591752	20.093	ug/l	99
41) Methacrylonitrile	7.21	41	193011	43.789	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	186310	20.434	ug/l	97
43) Isopropyl Acetate	8.16	43	219925	19.029	ug/l #	90
44) Trichloroethene	8.84	130	146659	18.784	ug/l	94
45) 1,2-Dichloropropane	9.12	63	161410	20.314	ug/l	98
46) Dibromomethane	9.21	93	90048	19.521	ug/l	92
47) Bromodichloromethane	9.40	83	194173	19.974	ug/l	98
48) Methyl methacrylate	9.20	41	107787	20.275	ug/l	91
49) 1,4-Dioxane	9.20	88	28101	390.272	ug/l #	91
51) 4-Methyl-2-Pentanone	9.98	43	613534	103.305	ug/l	95
52) Toluene	10.16	92	350916	20.236	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	186402	19.707	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	220190	19.747	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	128995	19.918	ug/l	98
56) Ethyl methacrylate	10.43	69	150563	18.992	ug/l	90
57) 1,3-Dichloropropane	10.71	76	217432	19.870	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	334205	93.547	ug/l	95
59) 2-Hexanone	10.75	43	387301	100.268	ug/l	93
60) Dibromochloromethane	10.90	129	138637	19.262	ug/l	99
61) 1,2-Dibromoethane	11.00	107	118800	19.016	ug/l	100
64) Tetrachloroethene	10.63	164	147677	19.599	ug/l	96
65) Chlorobenzene	11.43	112	366180	19.498	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	131899	19.488	ug/l	99
67) Ethyl Benzene	11.51	91	627197	19.922	ug/l	99
68) m/p-Xylenes	11.62	106	483008	40.649	ug/l	97
69) o-Xylene	11.95	106	232538	19.917	ug/l	98
70) Styrene	11.96	104	366116	20.387	ug/l	98
71) Bromoform	12.13	173	88526	18.801	ug/l #	100
73) Isopropylbenzene	12.25	105	612958	20.888	ug/l	98
74) N-amyl acetate	12.07	43	163626	21.275	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	150549	20.516	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	125560m	20.763	ug/l	
77) Bromobenzene	12.53	156	151244	20.300	ug/l	89
78) n-propylbenzene	12.59	91	699011	20.946	ug/l	97
79) 2-Chlorotoluene	12.67	91	421422	21.021	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	511541	21.293	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	36912	19.292	ug/l	89
82) 4-Chlorotoluene	12.77	91	414545	20.922	ug/l	96
83) tert-Butylbenzene	12.99	119	438666	20.646	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	501683	20.918	ug/l	99
85) sec-Butylbenzene	13.17	105	595146	20.508	ug/l	98
86) p-Isopropyltoluene	13.29	119	501669	20.449	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	258015	20.019	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	248839	19.901	ug/l	98
89) n-Butylbenzene	13.62	91	411788	19.917	ug/l	98
90) Hexachloroethane	13.87	117	89628	18.853	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	253105	20.287	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21681	20.907	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	108949	17.247	ug/l	98
94) Hexachlorobutadiene	15.01	225	83050	18.428	ug/l	99
95) Naphthalene	15.13	128	213570	16.601	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	109556	17.528	ug/l	99

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

