

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052372.D
 Acq On : 16 Nov 2018 18:33
 Operator : MD\SY
 Sample : VN1116WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/19/2018 12:46:22 PM

Quant Time: Nov 17 00:09:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	245992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	427782	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	374647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162426	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	178371	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
35) Dibromofluoromethane	7.59	113	133184	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
50) Toluene-d8	10.09	98	507100	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
62) 4-Bromofluorobenzene	12.40	95	165116	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	53416	20.492	ug/l	100
3) Chloromethane	2.06	50	70727	19.524	ug/l	97
4) Vinyl Chloride	2.19	62	63405	20.249	ug/l	97
5) Bromomethane	2.58	94	28104	14.397	ug/l	98
6) Chloroethane	2.71	64	35356	19.970	ug/l	98
7) Trichlorofluoromethane	3.03	101	90112	20.796	ug/l	99
8) Diethyl Ether	3.41	74	31299	18.952	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	51919	18.973	ug/l	97
10) Methyl Iodide	3.96	142	48420	13.179	ug/l	100
11) Tert butyl alcohol	4.79	59	17245m	93.987	ug/l	
12) 1,1-Dichloroethene	3.74	96	47455	18.740	ug/l	98
13) Acrolein	3.61	56	16905	77.536	ug/l	97
14) Allyl chloride	4.33	41	90796	17.462	ug/l	88
15) Acrylonitrile	4.99	53	98614	94.124	ug/l	98
16) Acetone	3.82	43	77963	81.500	ug/l	95
17) Carbon Disulfide	4.06	76	132222	18.209	ug/l	98
18) Methyl Acetate	4.33	43	52748	19.939	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	140869	19.358	ug/l	100
20) Methylene Chloride	4.55	84	58469	19.666	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	52325	19.192	ug/l	93
22) Diisopropyl ether	5.95	45	210328	19.825	ug/l	98
23) Vinyl Acetate	5.90	43	519637	72.204	ug/l	99
24) 1,1-Dichloroethane	5.85	63	111252	19.556	ug/l	99
25) 2-Butanone	6.84	43	121257	90.055	ug/l	96
26) 2,2-Dichloropropane	6.83	77	74646	17.845	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	59998	18.904	ug/l	95
28) Bromochloromethane	7.20	49	56860	19.439	ug/l	98
29) Tetrahydrofuran	7.21	42	78381	88.612	ug/l	98
30) Chloroform	7.38	83	110103	20.309	ug/l	100
31) Cyclohexane	7.66	56	107035	19.621	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	91563	19.826	ug/l	98
36) 1,1-Dichloropropene	7.80	75	83288	19.425	ug/l	98
37) Ethyl Acetate	6.93	43	59206	19.027	ug/l	96
38) Carbon Tetrachloride	7.78	117	78182	19.847	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	91521	18.698	ug/l	99
40) Benzene	8.04	78	235845	19.254	ug/l	98
41) Methacrylonitrile	7.17	41	30064	19.806	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	87464	20.024	ug/l	100
43) Isopropyl Acetate	8.17	43	110342	18.376	ug/l	97
44) Trichloroethene	8.84	130	59827	19.829	ug/l	98
45) 1,2-Dichloropropane	9.12	63	66806	19.218	ug/l	97
46) Dibromomethane	9.21	93	38622	19.192	ug/l	99
47) Bromodichloromethane	9.40	83	82756	20.040	ug/l	99
48) Methyl methacrylate	9.20	41	52188	17.129	ug/l	97
49) 1,4-Dioxane	9.20	88	9233	394.756	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	279276	92.398	ug/l	100
52) Toluene	10.16	92	140882	19.227	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	76481	18.363	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	89764	18.906	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	50206	18.901	ug/l	95
56) Ethyl methacrylate	10.43	69	64899	18.578	ug/l	97
57) 1,3-Dichloropropane	10.71	76	92077	19.570	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	198733	99.922	ug/l	100
59) 2-Hexanone	10.75	43	180155	86.655	ug/l	98
60) Dibromochloromethane	10.90	129	53770	18.709	ug/l	99
61) 1,2-Dibromoethane	11.00	107	47093	17.798	ug/l	95
64) Tetrachloroethene	10.63	164	77934	29.260	ug/l	99
65) Chlorobenzene	11.43	112	152873	19.304	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	54650	20.237	ug/l	99
67) Ethyl Benzene	11.51	91	266811	19.412	ug/l	99
68) m/p-Xylenes	11.62	106	196234	39.075	ug/l	99
69) o-Xylene	11.95	106	94054	19.538	ug/l	97
70) Styrene	11.96	104	152191	19.744	ug/l	99
71) Bromoform	12.12	173	29920	18.765	ug/l #	95
73) Isopropylbenzene	12.25	105	257961	19.753	ug/l	98
74) N-amyl acetate	12.07	43	86256	18.544	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	54403	17.233	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	48897m	17.742	ug/l	
77) Bromobenzene	12.53	156	57851	19.039	ug/l	100
78) n-propylbenzene	12.59	91	299593	19.616	ug/l	99
79) 2-Chlorotoluene	12.67	91	172976	19.387	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	207850	20.014	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	14453	17.009	ug/l	93
82) 4-Chlorotoluene	12.77	91	177983	19.471	ug/l	97
83) tert-Butylbenzene	12.99	119	176164	19.214	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	211600	20.297	ug/l	97
85) sec-Butylbenzene	13.17	105	245483	19.655	ug/l	99
86) p-Isopropyltoluene	13.29	119	205141	19.390	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	101408	18.792	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	100109	18.659	ug/l	98
89) n-Butylbenzene	13.61	91	173849	19.133	ug/l	100
90) Hexachloroethane	13.88	117	36128	19.280	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	98686	18.876	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9100	19.549	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	40868	18.298	ug/l	99
94) Hexachlorobutadiene	15.01	225	22976	19.200	ug/l	98
95) Naphthalene	15.13	128	89377	17.339	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	37126	18.688	ug/l	95

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

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