

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054158.D
 Acq On : 12 Mar 2019 10:29
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:49:04 AM

Quant Time: Mar 13 03:32:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 02:32:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1477998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2264646	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1922063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	794307	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	79421	5.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.12%	
35) Dibromofluoromethane	7.59	113	71318	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
50) Toluene-d8	10.09	98	260274	4.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.66%	
62) 4-Bromofluorobenzene	12.40	95	86325	4.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.14%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	66811	4.770 ug/l	97
3) Chloromethane	2.06	50	73689	5.416 ug/l	97
4) Vinyl Chloride	2.19	62	90237	5.802 ug/l	98
5) Bromomethane	2.57	94	61820	5.739 ug/l	92
6) Chloroethane	2.71	64	55724	5.922 ug/l	97
7) Trichlorofluoromethane	3.02	101	123287	5.963 ug/l	98
8) Diethyl Ether	3.41	74	47113	5.000 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	77879	5.026 ug/l	96
10) Methyl Iodide	3.94	142	74411	4.777 ug/l	100
11) Tert butyl alcohol	4.83	59	25671m	23.760 ug/l	
12) 1,1-Dichloroethene	3.73	96	78876	5.137 ug/l	99
13) Acrolein	3.61	56	28178	27.635 ug/l	97
14) Allyl chloride	4.32	41	95003	4.822 ug/l	97
15) Acrylonitrile	5.00	53	108351	24.513 ug/l	99
16) Acetone	3.82	43	109187	24.295 ug/l	99
17) Carbon Disulfide	4.04	76	179301	4.658 ug/l	99
18) Methyl Acetate	4.33	43	42912	4.719 ug/l	94
19) Methyl tert-butyl Ether	5.05	73	188399	4.950 ug/l	98
20) Methylene Chloride	4.54	84	75902	5.143 ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	72537	4.930 ug/l	93
22) Diisopropyl ether	5.96	45	188804	4.802 ug/l	96
23) Vinyl Acetate	5.90	43	689092	23.770 ug/l	99
24) 1,1-Dichloroethane	5.84	63	129246	5.119 ug/l	99
25) 2-Butanone	6.85	43	127050	24.086 ug/l	95
26) 2,2-Dichloropropane	6.82	77	111897	5.040 ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	81903	4.990 ug/l	98
28) Bromochloromethane	7.19	49	53752	5.208 ug/l	97
29) Tetrahydrofuran	7.22	42	85037	25.073 ug/l	97
30) Chloroform	7.37	83	132386	5.025 ug/l	98
31) Cyclohexane	7.65	56	130935	4.428 ug/l #	88
32) 1,1,1-Trichloroethane	7.57	97	118651	4.987 ug/l	99
36) 1,1-Dichloropropene	7.79	75	100323	4.810 ug/l	99
37) Ethyl Acetate	6.94	43	52992	4.307 ug/l #	94
38) Carbon Tetrachloride	7.77	117	104108	4.760 ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	121193	4.723	ug/l	98
40) Benzene	8.04	78	290180	4.862	ug/l	97
41) Methacrylonitrile	7.18	41	31937	4.854	ug/l	98
42) 1,2-Dichloroethane	8.12	62	101157	5.020	ug/l	99
43) Isopropyl Acetate	8.17	43	97736	4.647	ug/l	99
44) Trichloroethene	8.84	130	91512	4.936	ug/l	100
45) 1,2-Dichloropropane	9.12	63	73788	4.979	ug/l	97
46) Dibromomethane	9.21	93	48067	4.801	ug/l	98
47) Bromodichloromethane	9.40	83	93435	4.655	ug/l	93
48) Methyl methacrylate	9.20	41	46743	4.379	ug/l	95
49) 1,4-Dioxane	9.21	88	14390	95.306	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	247928	22.273	ug/l	99
52) Toluene	10.16	92	178079	4.706	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	86803	5.617	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	105956	4.530	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	66350	4.802	ug/l	97
56) Ethyl methacrylate	10.43	69	73717	4.474	ug/l	100
57) 1,3-Dichloropropane	10.71	76	107462	4.756	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	132882	34.168	ug/l	100
59) 2-Hexanone	10.75	43	163277	22.044	ug/l	99
60) Dibromochloromethane	10.90	129	67785	4.359	ug/l	100
61) 1,2-Dibromoethane	11.00	107	65525	4.667	ug/l	98
64) Tetrachloroethene	10.63	164	98332	5.291	ug/l	97
65) Chlorobenzene	11.43	112	206723	4.898	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	74011	4.827	ug/l	95
67) Ethyl Benzene	11.51	91	340644	4.869	ug/l	98
68) m/p-Xylenes	11.62	106	265326	9.704	ug/l	100
69) o-Xylene	11.95	106	133351	5.003	ug/l	98
70) Styrene	11.96	104	190239	4.551	ug/l	98
71) Bromoform	12.13	173	42697	5.832	ug/l #	99
73) Isopropylbenzene	12.25	105	349785	5.504	ug/l	99
74) N-amyl acetate	12.07	43	63809	4.524	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	73323	5.415	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	66152m	5.590	ug/l	
77) Bromobenzene	12.53	156	88867	5.285	ug/l	97
78) n-propylbenzene	12.59	91	363199	5.267	ug/l	99
79) 2-Chlorotoluene	12.67	91	224843	5.423	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	287077	5.431	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	14804	6.495	ug/l	95
82) 4-Chlorotoluene	12.77	91	208971	5.048	ug/l	100
83) tert-Butylbenzene	12.99	119	269163	5.532	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	270897	5.224	ug/l	99
85) sec-Butylbenzene	13.17	105	346577	5.493	ug/l	99
86) p-Isopropyltoluene	13.29	119	289186	5.224	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	142087	5.014	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	134738	4.840	ug/l	94
89) n-Butylbenzene	13.61	91	195606	4.651	ug/l	99
90) Hexachloroethane	13.87	117	44544	4.860	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	141614	5.112	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9970	4.759	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	55867	5.689	ug/l	99
94) Hexachlorobutadiene	15.01	225	59404	5.630	ug/l	99
95) Naphthalene	15.13	128	110142	6.412	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	61472	4.177	ug/l	100

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

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