

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055181.D
 Acq On : 22 Apr 2019 15:11
 Operator : JC/SP
 Sample : VN0422WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 1:47:27 PM

Quant Time: Apr 23 06:16:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	409601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	671197	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	570137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	215479	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	273722	49.37	ug/l	0.00
Spiked Amount						
			Recovery	=	98.74%	
35) Dibromofluoromethane	7.59	113	221867	48.66	ug/l	0.00
Spiked Amount						
			Recovery	=	97.32%	
50) Toluene-d8	10.09	98	813978	48.18	ug/l	0.00
Spiked Amount						
			Recovery	=	96.36%	
62) 4-Bromofluorobenzene	12.40	95	254741	47.61	ug/l	0.00
Spiked Amount						
			Recovery	=	95.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	116193	22.032	ug/l	99
3) Chloromethane	2.06	50	132835	20.555	ug/l	97
4) Vinyl Chloride	2.19	62	104346	20.151	ug/l	96
5) Bromomethane	2.56	94	57254	19.066	ug/l	100
6) Chloroethane	2.70	64	52834	19.359	ug/l	97
7) Trichlorofluoromethane	3.02	101	143357	20.344	ug/l	99
8) Diethyl Ether	3.41	74	53749	21.370	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	87563	19.913	ug/l	99
10) Methyl Iodide	3.95	142	126810	20.565	ug/l	99
11) Tert butyl alcohol	4.79	59	33347	103.028	ug/l #	71
12) 1,1-Dichloroethene	3.74	96	84011	19.936	ug/l	96
13) Acrolein	3.61	56	49340	107.332	ug/l	98
14) Allyl chloride	4.33	41	167057	20.053	ug/l	99
15) Acrylonitrile	4.99	53	184196	103.767	ug/l	99
16) Acetone	3.82	43	168899	92.156	ug/l	99
17) Carbon Disulfide	4.05	76	228884	19.428	ug/l	99
18) Methyl Acetate	4.33	43	85721	21.115	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	241736	20.748	ug/l	100
20) Methylene Chloride	4.55	84	100076	18.994	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	88272	19.976	ug/l	95
22) Diisopropyl ether	5.96	45	335389	20.197	ug/l	99
23) Vinyl Acetate	5.90	43	1186737	106.347	ug/l	99
24) 1,1-Dichloroethane	5.85	63	180927	20.256	ug/l	98
25) 2-Butanone	6.84	43	236232	99.838	ug/l	98
26) 2,2-Dichloropropane	6.82	77	118127	19.543	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	102906	20.201	ug/l	99
28) Bromochloromethane	7.20	49	92630	20.344	ug/l	100
29) Tetrahydrofuran	7.22	42	156047	107.262	ug/l	99
30) Chloroform	7.37	83	167026	19.659	ug/l	98
31) Cyclohexane	7.66	56	174123	20.043	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	138148	20.239	ug/l	99
36) 1,1-Dichloropropene	7.79	75	125911	20.211	ug/l	99
37) Ethyl Acetate	6.93	43	100895	20.068	ug/l	98
38) Carbon Tetrachloride	7.78	117	115725	19.837	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	139999	18.837	ug/l	99
40) Benzene	8.04	78	380171	19.769	ug/l	98
41) Methacrylonitrile	7.17	41	44477	16.874	ug/l #	75
42) 1,2-Dichloroethane	8.12	62	130580	19.463	ug/l	98
43) Isopropyl Acetate	8.17	43	170483	20.940	ug/l #	89
44) Trichloroethene	8.84	130	94442	19.430	ug/l	99
45) 1,2-Dichloropropane	9.12	63	104867	19.318	ug/l	99
46) Dibromomethane	9.21	93	61973	19.943	ug/l	96
47) Bromodichloromethane	9.40	83	123153	19.797	ug/l	96
48) Methyl methacrylate	9.20	41	77102	19.524	ug/l	96
49) 1,4-Dioxane	9.20	88	18092	396.700	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	466499	99.577	ug/l	100
52) Toluene	10.16	92	222262	19.715	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	112462	19.699	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	139257	19.656	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	84343	20.293	ug/l	94
56) Ethyl methacrylate	10.43	69	105820	20.438	ug/l	99
57) 1,3-Dichloropropane	10.71	76	145679	20.146	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	163275	89.427	ug/l	100
59) 2-Hexanone	10.75	43	300445	101.531	ug/l	99
60) Dibromochloromethane	10.90	129	82664	19.309	ug/l	100
61) 1,2-Dibromoethane	11.00	107	76654	19.616	ug/l	98
64) Tetrachloroethene	10.63	164	90004	19.351	ug/l	95
65) Chlorobenzene	11.43	112	223853	19.236	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	85062	19.722	ug/l	100
67) Ethyl Benzene	11.51	91	406339	19.602	ug/l	99
68) m/p-Xylenes	11.62	106	299434	40.275	ug/l	99
69) o-Xylene	11.95	106	146695	19.882	ug/l	100
70) Styrene	11.96	104	234340	20.490	ug/l	100
71) Bromoform	12.13	173	49874	19.378	ug/l #	98
73) Isopropylbenzene	12.25	105	392620	21.386	ug/l	100
74) N-amyl acetate	12.07	43	111735	20.113	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	102647	22.059	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	89502m	20.474	ug/l	
77) Bromobenzene	12.52	156	91443	19.223	ug/l	99
78) n-propylbenzene	12.59	91	419740	19.424	ug/l	100
79) 2-Chlorotoluene	12.67	91	260763	19.110	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	318346	19.735	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20512	17.787	ug/l	94
82) 4-Chlorotoluene	12.77	91	247082	19.681	ug/l	99
83) tert-Butylbenzene	12.99	119	273178	21.275	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	304013	19.972	ug/l	99
85) sec-Butylbenzene	13.17	105	350615	19.213	ug/l	99
86) p-Isopropyltoluene	13.29	119	297923	19.816	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	145862	19.974	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	136332	19.176	ug/l	99
89) n-Butylbenzene	13.61	91	208169	18.680	ug/l	99
90) Hexachloroethane	13.87	117	49005	18.379	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	147980	19.729	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12649	19.331	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49043	17.367	ug/l	98
94) Hexachlorobutadiene	15.01	225	48714	20.964	ug/l	99
95) Naphthalene	15.13	128	104204	17.414	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	52160	17.994	ug/l	97

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

