

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071919\
 Data File : VN056832.D
 Acq On : 19 Jul 2019 15:17
 Operator : JC/SP
 Sample : VN0719WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 4:32:36 AM

Quant Time: Jul 20 00:02:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	293147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	458213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	403705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	167737	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	163219	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
35) Dibromofluoromethane	7.59	113	143722	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
50) Toluene-d8	10.09	98	548778	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	177778	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	52736	19.158	ug/l	99
3) Chloromethane	2.06	50	69922	18.894	ug/l	98
4) Vinyl Chloride	2.18	62	69200	19.418	ug/l	98
5) Bromomethane	2.54	94	34438	16.432	ug/l	100
6) Chloroethane	2.69	64	39666	19.100	ug/l	98
7) Trichlorofluoromethane	3.01	101	89687	19.613	ug/l	99
8) Diethyl Ether	3.41	74	36691	20.580	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	54636	19.887	ug/l	98
10) Methyl Iodide	3.95	142	54168	14.741	ug/l	99
11) Tert butyl alcohol	4.79	59	50674	93.887	ug/l	99
12) 1,1-Dichloroethene	3.73	96	55012	19.963	ug/l	97
13) Acrolein	3.60	56	16689	97.337	ug/l	97
14) Allyl chloride	4.32	41	92416	19.392	ug/l	100
15) Acrylonitrile	4.99	53	159492	102.326	ug/l	100
16) Acetone	3.82	43	124011	82.991	ug/l	97
17) Carbon Disulfide	4.05	76	127948	17.570	ug/l	100
18) Methyl Acetate	4.33	43	76581	22.279	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	181523	20.674	ug/l	96
20) Methylene Chloride	4.55	84	66114	20.246	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	58818	20.192	ug/l	98
22) Diisopropyl ether	5.95	45	196784	20.919	ug/l	96
23) Vinyl Acetate	5.90	43	795211	104.320	ug/l	100
24) 1,1-Dichloroethane	5.85	63	113806	20.867	ug/l	99
25) 2-Butanone	6.84	43	205856	94.229	ug/l	100
26) 2,2-Dichloropropane	6.82	77	71958	18.298	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	70281	20.968	ug/l	99
28) Bromochloromethane	7.20	49	50023	19.508	ug/l	98
29) Tetrahydrofuran	7.21	42	142399	99.937	ug/l	98
30) Chloroform	7.37	83	111886	20.501	ug/l	98
31) Cyclohexane	7.65	56	103447	19.956	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	90476	20.962	ug/l	100
36) 1,1-Dichloropropene	7.79	75	81772	19.285	ug/l	100
37) Ethyl Acetate	6.93	43	84176	20.142	ug/l	98
38) Carbon Tetrachloride	7.77	117	76711	19.292	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	99990	19.098	ug/l	99
40) Benzene	8.04	78	257875	19.849	ug/l	98
41) Methacrylonitrile	7.17	41	38628	21.043	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	83534	20.344	ug/l	99
43) Isopropyl Acetate	8.17	43	135653	20.648	ug/l	99
44) Trichloroethene	8.83	130	69814	19.788	ug/l	97
45) 1,2-Dichloropropane	9.12	63	69459	20.120	ug/l	97
46) Dibromomethane	9.21	93	44086	20.607	ug/l	98
47) Bromodichloromethane	9.40	83	82318	20.249	ug/l	98
48) Methyl methacrylate	9.20	41	62629	19.712	ug/l	98
49) 1,4-Dioxane	9.20	88	21634	331.841	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	423940	99.629	ug/l	99
52) Toluene	10.15	92	160505	20.802	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	83617	19.715	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	97664	19.843	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	65810	20.336	ug/l	99
56) Ethyl methacrylate	10.43	69	97041	20.840	ug/l	99
57) 1,3-Dichloropropane	10.71	76	107823	20.400	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	206227	92.101	ug/l	99
59) 2-Hexanone	10.75	43	296415	97.082	ug/l	100
60) Dibromochloromethane	10.90	129	63606	19.985	ug/l	97
61) 1,2-Dibromoethane	11.00	107	67446	20.971	ug/l	98
64) Tetrachloroethene	10.63	164	70640	20.282	ug/l	98
65) Chlorobenzene	11.43	112	168076	20.361	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	62874	20.687	ug/l	98
67) Ethyl Benzene	11.51	91	293499	20.232	ug/l	99
68) m/p-Xylenes	11.62	106	220329	40.639	ug/l	99
69) o-Xylene	11.95	106	109336	20.513	ug/l	100
70) Styrene	11.96	104	176884	20.527	ug/l	99
71) Bromoform	12.12	173	46279	20.012	ug/l #	100
73) Isopropylbenzene	12.25	105	284504	21.036	ug/l	100
74) N-amyl acetate	12.07	43	100091	19.871	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	93402	22.791	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	79810m	21.755	ug/l	
77) Bromobenzene	12.53	156	76248	21.554	ug/l	94
78) n-propylbenzene	12.59	91	307959	20.510	ug/l	100
79) 2-Chlorotoluene	12.67	91	192582	22.302	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	241890	21.102	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22946	19.316	ug/l	97
82) 4-Chlorotoluene	12.77	91	182513	20.713	ug/l	100
83) tert-Butylbenzene	12.99	119	211021	22.831	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	241828	21.595	ug/l	100
85) sec-Butylbenzene	13.17	105	269270	21.140	ug/l	99
86) p-Isopropyltoluene	13.29	119	241365	20.918	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	117219	20.219	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	112308	19.915	ug/l	99
89) n-Butylbenzene	13.61	91	181227	19.498	ug/l	98
90) Hexachloroethane	13.87	117	38214	20.480	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	121943	20.566	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14642	20.189	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	52652	18.578	ug/l	100
94) Hexachlorobutadiene	15.01	225	42508	22.098	ug/l	98
95) Naphthalene	15.13	128	139022	18.595	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	56458	19.529	ug/l	99

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

