

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071719\
 Data File : VN056794.D
 Acq On : 17 Jul 2019 14:11
 Operator : JC/SP
 Sample : VN0717WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 1:06:37 AM

Quant Time: Jul 18 01:54:49 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	306726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	486860	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	428314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	179772	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	172463	50.83	ug/l	0.00
Spiked Amount						
			Recovery	=	101.66%	
35) Dibromofluoromethane	7.59	113	150996	49.84	ug/l	0.00
Spiked Amount						
			Recovery	=	99.68%	
50) Toluene-d8	10.09	98	576376	49.25	ug/l	0.00
Spiked Amount						
			Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.40	95	188918	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	53706	18.647	ug/l	99
3) Chloromethane	2.06	50	71367	18.431	ug/l	97
4) Vinyl Chloride	2.19	62	69174	18.551	ug/l	99
5) Bromomethane	2.55	94	32916	15.011	ug/l	99
6) Chloroethane	2.70	64	39659	18.252	ug/l	100
7) Trichlorofluoromethane	3.01	101	89925	18.794	ug/l	98
8) Diethyl Ether	3.41	74	35926	19.259	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	54484	18.953	ug/l	99
10) Methyl Iodide	3.95	142	48293	12.560	ug/l	97
11) Tert butyl alcohol	4.79	59	52848	93.580	ug/l	99
12) 1,1-Dichloroethene	3.73	96	54688	18.966	ug/l	97
13) Acrolein	3.61	56	15776	88.969	ug/l	98
14) Allyl chloride	4.32	41	92926	18.636	ug/l	100
15) Acrylonitrile	4.99	53	161582	99.077	ug/l	99
16) Acetone	3.82	43	126646	81.002	ug/l	99
17) Carbon Disulfide	4.05	76	131559	17.266	ug/l	97
18) Methyl Acetate	4.33	43	70474	19.475	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	178463	19.425	ug/l	100
20) Methylene Chloride	4.55	84	64857	18.982	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	58716	19.264	ug/l	97
22) Diisopropyl ether	5.96	45	196617	19.976	ug/l	97
23) Vinyl Acetate	5.90	43	790188	99.072	ug/l	100
24) 1,1-Dichloroethane	5.85	63	110466	19.358	ug/l	100
25) 2-Butanone	6.84	43	208714	91.307	ug/l	99
26) 2,2-Dichloropropane	6.82	77	73253	17.803	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	69047	19.688	ug/l	98
28) Bromochloromethane	7.19	49	55649	20.741	ug/l	98
29) Tetrahydrofuran	7.21	42	145411	97.533	ug/l	99
30) Chloroform	7.37	83	110039	19.270	ug/l	98
31) Cyclohexane	7.65	56	103526	19.087	ug/l #	94
32) 1,1,1-Trichloroethane	7.57	97	86952	19.254	ug/l	100
36) 1,1-Dichloropropene	7.79	75	80446	17.856	ug/l	98
37) Ethyl Acetate	6.93	43	86866	19.563	ug/l	98
38) Carbon Tetrachloride	7.77	117	76360	18.073	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	98375	17.684	ug/l	99
40) Benzene	8.04	78	257675	18.666	ug/l	99
41) Methacrylonitrile	7.18	41	33618m	17.236	ug/l	
42) 1,2-Dichloroethane	8.12	62	83797	19.207	ug/l	100
43) Isopropyl Acetate	8.17	43	131248	18.802	ug/l	99
44) Trichloroethene	8.84	130	68656	18.315	ug/l	99
45) 1,2-Dichloropropane	9.12	63	68701	18.730	ug/l	99
46) Dibromomethane	9.21	93	43651	19.204	ug/l	98
47) Bromodichloromethane	9.40	83	80699	18.683	ug/l	96
48) Methyl methacrylate	9.20	41	64691	19.163	ug/l	100
49) 1,4-Dioxane	9.20	88	27847	402.009	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	428837	94.850	ug/l	100
52) Toluene	10.16	92	155802	19.005	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	82777	18.368	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	95590	18.279	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	65577	19.071	ug/l	98
56) Ethyl methacrylate	10.43	69	96720	19.549	ug/l	99
57) 1,3-Dichloropropane	10.71	76	108038	19.238	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	221302	93.018	ug/l	98
59) 2-Hexanone	10.75	43	301734	93.009	ug/l	100
60) Dibromochloromethane	10.90	129	62741	18.553	ug/l	99
61) 1,2-Dibromoethane	11.00	107	66319	19.407	ug/l	98
64) Tetrachloroethene	10.63	164	66746	18.063	ug/l	98
65) Chlorobenzene	11.43	112	165111	18.853	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	60278	18.693	ug/l	97
67) Ethyl Benzene	11.51	91	286956	18.644	ug/l	100
68) m/p-Xylenes	11.62	106	215822	37.521	ug/l	99
69) o-Xylene	11.95	106	105381	18.635	ug/l	99
70) Styrene	11.96	104	173318	18.957	ug/l	100
71) Bromoform	12.12	173	44986	18.336	ug/l #	98
73) Isopropylbenzene	12.25	105	276093	19.047	ug/l	100
74) N-amyl acetate	12.07	43	102777	19.039	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	92777	20.975	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	81244m	20.663	ug/l	
77) Bromobenzene	12.53	156	73697	19.438	ug/l	98
78) n-propylbenzene	12.59	91	301753	18.751	ug/l	100
79) 2-Chlorotoluene	12.67	91	187141	20.062	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	238301	19.397	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21997	17.278	ug/l	93
82) 4-Chlorotoluene	12.77	91	176190	18.657	ug/l	99
83) tert-Butylbenzene	12.99	119	203462	20.390	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	231401	19.281	ug/l	99
85) sec-Butylbenzene	13.17	105	264645	19.386	ug/l	100
86) p-Isopropyltoluene	13.29	119	238036	19.248	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	115719	18.624	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	110386	18.264	ug/l	98
89) n-Butylbenzene	13.61	91	181530	18.223	ug/l	100
90) Hexachloroethane	13.87	117	37013	18.508	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	120938	19.031	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15277	19.655	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56049	18.478	ug/l	98
94) Hexachlorobutadiene	15.01	225	41648	20.088	ug/l	99
95) Naphthalene	15.13	128	158153	19.459	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	61180	19.709	ug/l	99

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

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