

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056729.D
 Acq On : 15 Jul 2019 22:38
 Operator : JC/SP
 Sample : VN0715WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:49 AM

Quant Time: Jul 16 05:32:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	326673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	520371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	467509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	206991	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	184633	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
35) Dibromofluoromethane	7.59	113	163182	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
50) Toluene-d8	10.09	98	621484	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.40	95	208885	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	54918	17.904	ug/l	99
3) Chloromethane	2.06	50	75082	18.206	ug/l	99
4) Vinyl Chloride	2.18	62	74206	18.685	ug/l	100
5) Bromomethane	2.57	94	47709	20.429	ug/l	98
6) Chloroethane	2.70	64	43147	18.644	ug/l	96
7) Trichlorofluoromethane	3.01	101	96848	19.005	ug/l	100
8) Diethyl Ether	3.41	74	38390	19.323	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	58332	19.053	ug/l	99
10) Methyl Iodide	3.95	142	63708	15.557	ug/l	98
11) Tert butyl alcohol	4.79	59	57132	94.989	ug/l #	85
12) 1,1-Dichloroethene	3.74	96	58814	19.152	ug/l	98
13) Acrolein	3.61	56	18771	98.145	ug/l	97
14) Allyl chloride	4.32	41	97488	18.357	ug/l	99
15) Acrylonitrile	4.99	53	167809	96.613	ug/l	99
16) Acetone	3.82	43	131420	78.923	ug/l	97
17) Carbon Disulfide	4.05	76	149877	18.469	ug/l	99
18) Methyl Acetate	4.33	43	73123	18.948	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	185970	19.006	ug/l	100
20) Methylene Chloride	4.55	84	69421	19.077	ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	63615	19.597	ug/l	97
22) Diisopropyl ether	5.95	45	207362	19.781	ug/l	93
23) Vinyl Acetate	5.90	43	817382	96.224	ug/l	99
24) 1,1-Dichloroethane	5.85	63	116745	19.209	ug/l	99
25) 2-Butanone	6.84	43	217634	89.396	ug/l	98
26) 2,2-Dichloropropane	6.82	77	69130	15.775	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	74193	19.863	ug/l	97
28) Bromochloromethane	7.20	49	54754	19.161	ug/l	98
29) Tetrahydrofuran	7.22	42	152473	96.025	ug/l	99
30) Chloroform	7.37	83	116218	19.109	ug/l	99
31) Cyclohexane	7.66	56	112311	19.443	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	93007	19.337	ug/l	98
36) 1,1-Dichloropropene	7.79	75	87226	18.114	ug/l	99
37) Ethyl Acetate	6.93	43	90482	19.065	ug/l	98
38) Carbon Tetrachloride	7.77	117	80875	17.909	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	106108	17.846	ug/l	99
40) Benzene	8.04	78	276114	18.714	ug/l	99
41) Methacrylonitrile	7.18	41	38505	18.470	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	88253	18.926	ug/l	100
43) Isopropyl Acetate	8.17	43	136657	18.316	ug/l	98
44) Trichloroethene	8.84	130	74544	18.605	ug/l	97
45) 1,2-Dichloropropane	9.12	63	73342	18.707	ug/l	99
46) Dibromomethane	9.21	93	46308	19.060	ug/l	99
47) Bromodichloromethane	9.40	83	86168	18.664	ug/l	99
48) Methyl methacrylate	9.20	41	66686	18.481	ug/l	98
49) 1,4-Dioxane	9.20	88	25411	343.218	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	450600	93.246	ug/l	100
52) Toluene	10.16	92	167909	19.163	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	86318	17.921	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	100892	18.050	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	68310	18.587	ug/l	98
56) Ethyl methacrylate	10.43	69	99372	18.792	ug/l	99
57) 1,3-Dichloropropane	10.71	76	113909	18.977	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	239521	94.192	ug/l	99
59) 2-Hexanone	10.75	43	316271	91.212	ug/l	100
60) Dibromochloromethane	10.90	129	67374	18.640	ug/l	99
61) 1,2-Dibromoethane	11.00	107	70544	19.314	ug/l	98
64) Tetrachloroethene	10.63	164	74426	18.453	ug/l	99
65) Chlorobenzene	11.43	112	176502	18.464	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	64795	18.410	ug/l	99
67) Ethyl Benzene	11.51	91	310886	18.505	ug/l	100
68) m/p-Xylenes	11.62	106	234563	37.360	ug/l	100
69) o-Xylene	11.95	106	113093	18.322	ug/l	100
70) Styrene	11.96	104	190877	19.128	ug/l	100
71) Bromoform	12.12	173	49035	18.310	ug/l #	98
73) Isopropylbenzene	12.25	105	301956	18.092	ug/l	100
74) N-amyl acetate	12.07	43	104750	16.852	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	96600	18.774	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	84004m	18.555	ug/l	
77) Bromobenzene	12.53	156	79266	18.158	ug/l	96
78) n-propylbenzene	12.59	91	329229	17.769	ug/l	99
79) 2-Chlorotoluene	12.67	91	200116	18.511	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	253435	17.916	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22449	15.314	ug/l	92
82) 4-Chlorotoluene	12.77	91	196132	18.037	ug/l	100
83) tert-Butylbenzene	12.99	119	215127	18.603	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	252318	18.259	ug/l	98
85) sec-Butylbenzene	13.17	105	281883	17.934	ug/l	100
86) p-Isopropyltoluene	13.29	119	255568	17.949	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	127164	17.775	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	126974	18.246	ug/l	100
89) n-Butylbenzene	13.61	91	208580	18.186	ug/l	100
90) Hexachloroethane	13.87	117	38297	16.632	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	129938	17.759	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15629	17.463	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	62931	18.110	ug/l	97
94) Hexachlorobutadiene	15.01	225	42425	17.619	ug/l	98
95) Naphthalene	15.13	128	158406	17.516	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	68146	19.174	ug/l	98

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

