

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071919\
 Data File : VN056825.D
 Acq On : 19 Jul 2019 12:35
 Operator : JC/SP
 Sample : VN0719WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 4:32:34 AM

Quant Time: Jul 19 23:38:10 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	301470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	466627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	414644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	168954	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	170299	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
35) Dibromofluoromethane	7.59	113	148662	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
50) Toluene-d8	10.09	98	566665	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.40	95	183391	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	52653	18.600	ug/l	100
3) Chloromethane	2.06	50	71333	18.743	ug/l	99
4) Vinyl Chloride	2.18	62	67820	18.505	ug/l	100
5) Bromomethane	2.55	94	40967	19.008	ug/l	95
6) Chloroethane	2.70	64	39632	18.557	ug/l	98
7) Trichlorofluoromethane	3.01	101	91008	19.352	ug/l	98
8) Diethyl Ether	3.41	74	36135	19.709	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	55753	19.733	ug/l	100
10) Methyl Iodide	3.95	142	70826	18.742	ug/l	99
11) Tert butyl alcohol	4.79	59	54913	98.932	ug/l	99
12) 1,1-Dichloroethene	3.73	96	54691	19.298	ug/l	96
13) Acrolein	3.61	56	17196	97.505	ug/l	98
14) Allyl chloride	4.32	41	93124	19.001	ug/l	99
15) Acrylonitrile	4.99	53	162467	101.357	ug/l	99
16) Acetone	3.82	43	136494	88.823	ug/l	100
17) Carbon Disulfide	4.05	76	127721	17.054	ug/l	98
18) Methyl Acetate	4.33	43	72710	20.493	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	180047	19.939	ug/l	99
20) Methylene Chloride	4.55	84	66033	19.663	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	57948	19.344	ug/l	97
22) Diisopropyl ether	5.96	45	197217	20.386	ug/l	99
23) Vinyl Acetate	5.90	43	787366	100.439	ug/l	99
24) 1,1-Dichloroethane	5.85	63	111553	19.889	ug/l	99
25) 2-Butanone	6.84	43	212198	94.450	ug/l	99
26) 2,2-Dichloropropane	6.82	77	79543	19.669	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	71054	20.613	ug/l	97
28) Bromochloromethane	7.20	49	45502	17.255	ug/l	97
29) Tetrahydrofuran	7.21	42	145350	99.192	ug/l	99
30) Chloroform	7.37	83	113514	20.225	ug/l	95
31) Cyclohexane	7.65	56	103419	19.400	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	89205	20.097	ug/l	100
36) 1,1-Dichloropropene	7.79	75	79276	18.359	ug/l	99
37) Ethyl Acetate	6.93	43	85119	20.001	ug/l	98
38) Carbon Tetrachloride	7.77	117	77782	19.208	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	96486	18.097	ug/l	99
40) Benzene	8.04	78	258709	19.554	ug/l	99
41) Methacrylonitrile	7.17	41	37032	19.810	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	82796	19.801	ug/l	99
43) Isopropyl Acetate	8.17	43	131291	19.624	ug/l #	91
44) Trichloroethene	8.83	130	69598	19.371	ug/l	96
45) 1,2-Dichloropropane	9.12	63	69463	19.759	ug/l	97
46) Dibromomethane	9.21	93	43798	20.104	ug/l	99
47) Bromodichloromethane	9.40	83	83087	20.070	ug/l	97
48) Methyl methacrylate	9.20	41	64267	19.862	ug/l	99
49) 1,4-Dioxane	9.20	88	25352	381.859	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	424031	97.854	ug/l	99
52) Toluene	10.16	92	159221	20.264	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	84469	19.556	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	96698	19.293	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	66086	20.053	ug/l	97
56) Ethyl methacrylate	10.43	69	96743	20.402	ug/l	98
57) 1,3-Dichloropropane	10.71	76	109263	20.299	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	198366	86.992	ug/l	100
59) 2-Hexanone	10.75	43	299619	96.362	ug/l	100
60) Dibromochloromethane	10.90	129	63856	19.702	ug/l	99
61) 1,2-Dibromoethane	11.00	107	67735	20.681	ug/l	98
64) Tetrachloroethene	10.63	164	72531	20.276	ug/l	98
65) Chlorobenzene	11.43	112	169689	20.014	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	62240	19.938	ug/l	98
67) Ethyl Benzene	11.51	91	290317	19.484	ug/l	100
68) m/p-Xylenes	11.62	106	217905	39.132	ug/l	99
69) o-Xylene	11.95	106	106443	19.443	ug/l	99
70) Styrene	11.96	104	173946	19.653	ug/l	99
71) Bromoform	12.13	173	46170	19.438	ug/l #	98
73) Isopropylbenzene	12.25	105	279855	20.543	ug/l	100
74) N-amyl acetate	12.07	43	97659	19.249	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	93181	22.554	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	81450m	22.042	ug/l	
77) Bromobenzene	12.53	156	73717	20.688	ug/l	98
78) n-propylbenzene	12.59	91	297647	19.681	ug/l	100
79) 2-Chlorotoluene	12.67	91	186727	21.404	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	237571	20.576	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	22411	18.730	ug/l	93
82) 4-Chlorotoluene	12.77	91	176205	19.853	ug/l	99
83) tert-Butylbenzene	12.99	119	203387	21.783	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	231042	20.483	ug/l	99
85) sec-Butylbenzene	13.17	105	260518	20.306	ug/l	99
86) p-Isopropyltoluene	13.29	119	235284	20.244	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	112815	19.319	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	109757	19.323	ug/l	99
89) n-Butylbenzene	13.61	91	175079	18.701	ug/l	100
90) Hexachloroethane	13.87	117	36833	19.597	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	117348	19.648	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	14522	19.880	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	46429	16.724	ug/l	99
94) Hexachlorobutadiene	15.01	225	41882	21.587	ug/l	98
95) Naphthalene	15.13	128	112700	15.849	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	50627	17.750	ug/l	99

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

