

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042220\
 Data File : VN061133.D
 Acq On : 22 Apr 2020 17:39
 Operator : JC/MD
 Sample : VN0422WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/23/2020 11:35:50 AM

Quant Time: Apr 23 07:52:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 15:26:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.40	168	196232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	320712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	294774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.15	152	142819	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.77	65	129237	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
35) Dibromofluoromethane	7.31	113	94052	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	9.88	98	388805	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.21	95	143641	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.72	85	37815	20.724	ug/l	99
3) Chloromethane	1.91	50	41883	18.793	ug/l	100
4) Vinyl Chloride	2.03	62	51021	18.864	ug/l	95
5) Bromomethane	2.39	94	25127	19.115	ug/l	98
6) Chloroethane	2.52	64	26354	18.445	ug/l	99
7) Trichlorofluoromethane	2.82	101	58765	20.380	ug/l	97
8) Diethyl Ether	3.18	74	24626	18.486	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.51	101	38067	19.755	ug/l	99
10) Methyl Iodide	3.69	142	53889	19.392	ug/l	99
11) Tert butyl alcohol	4.44	59	25354	75.620	ug/l	98
12) 1,1-Dichloroethene	3.49	96	38387	19.568	ug/l	98
13) Acrolein	3.36	56	21255	82.967	ug/l	98
14) Allyl chloride	4.03	41	60493	22.277	ug/l	98
15) Acrylonitrile	4.64	53	93020	89.546	ug/l	99
16) Acetone	3.55	43	86237	88.069	ug/l	99
17) Carbon Disulfide	3.79	76	108827	18.551	ug/l	99
18) Methyl Acetate	4.02	43	53272	16.912	ug/l	99
19) Methyl tert-butyl Ether	4.70	73	129762	18.727	ug/l	99
20) Methylene Chloride	4.24	84	41822	18.397	ug/l	98
21) trans-1,2-Dichloroethene	4.70	96	41842	17.800	ug/l	92
22) Diisopropyl ether	5.62	45	134682	18.763	ug/l	99
23) Vinyl Acetate	5.55	43	539774	93.834	ug/l	99
24) 1,1-Dichloroethane	5.51	63	75738	19.068	ug/l	99
25) 2-Butanone	6.51	43	122930	86.696	ug/l	99
26) 2,2-Dichloropropane	6.50	77	68978	19.284	ug/l	99
27) cis-1,2-Dichloroethene	6.51	96	47847	18.339	ug/l	99
28) Bromochloromethane	6.89	49	30060	17.614	ug/l	97
29) Tetrahydrofuran	6.90	42	85347	87.430	ug/l	99
30) Chloroform	7.08	83	77061	19.185	ug/l	98
31) Cyclohexane	7.38	56	75219	18.830	ug/l	98
32) 1,1,1-Trichloroethane	7.29	97	68809	19.208	ug/l	100
36) 1,1-Dichloropropene	7.52	75	59792	19.076	ug/l	99
37) Ethyl Acetate	6.61	43	56127	17.867	ug/l	100
38) Carbon Tetrachloride	7.50	117	51693	18.839	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	73598	19.204	ug/l	98
40) Benzene	7.78	78	172407	18.577	ug/l	99
41) Methacrylonitrile	6.88	41	27243m	18.267	ug/l	
42) 1,2-Dichloroethane	7.87	62	62686	18.956	ug/l	99
43) Isopropyl Acetate	7.92	43	95731	17.943	ug/l	99
44) Trichloroethene	8.61	130	51740	19.175	ug/l	96
45) 1,2-Dichloropropane	8.89	63	45523	18.539	ug/l	98
46) Dibromomethane	8.98	93	29458	18.721	ug/l	96
47) Bromodichloromethane	9.18	83	60017	19.350	ug/l	98
48) Methyl methacrylate	8.98	41	42942	17.094	ug/l	97
49) 1,4-Dioxane	8.98	88	8499	269.960	ug/l #	93
51) 4-Methyl-2-Pentanone	9.78	43	277836	89.219	ug/l	100
52) Toluene	9.95	92	110038	18.939	ug/l	100
53) t-1,3-Dichloropropene	10.18	75	70173	18.488	ug/l	99
54) cis-1,3-Dichloropropene	9.63	75	74547	18.879	ug/l	99
55) 1,1,2-Trichloroethane	10.36	97	42523	18.996	ug/l	98
56) Ethyl methacrylate	10.24	69	62359	18.281	ug/l	98
57) 1,3-Dichloropropane	10.51	76	71153	18.729	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.49	63	164636	93.610	ug/l	100
59) 2-Hexanone	10.56	43	199903	86.893	ug/l	100
60) Dibromochloromethane	10.71	129	43690	18.665	ug/l	99
61) 1,2-Dibromoethane	10.81	107	43651	18.922	ug/l	99
64) Tetrachloroethene	10.43	164	58436	19.365	ug/l	99
65) Chlorobenzene	11.24	112	114448	19.099	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.32	131	40817	19.220	ug/l	100
67) Ethyl Benzene	11.32	91	213782	19.158	ug/l	100
68) m/p-Xylenes	11.43	106	160643	38.551	ug/l	99
69) o-Xylene	11.76	106	76338	18.974	ug/l	99
70) Styrene	11.77	104	123414	18.941	ug/l	99
71) Bromoform	11.93	173	29952	18.708	ug/l #	97
73) Isopropylbenzene	12.06	105	206031	19.095	ug/l	100
74) N-amyl acetate	11.89	43	85518	17.632	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.32	83	55222	19.098	ug/l	100
76) 1,2,3-Trichloropropane	12.36	75	60795m	18.454	ug/l	
77) Bromobenzene	12.34	156	49709	18.909	ug/l	99
78) n-propylbenzene	12.40	91	240303	18.988	ug/l	100
79) 2-Chlorotoluene	12.48	91	138175	18.803	ug/l	99
80) 1,3,5-Trimethylbenzene	12.55	105	171513	18.864	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.11	75	21492	17.133	ug/l	96
82) 4-Chlorotoluene	12.58	91	147330	18.897	ug/l	100
83) tert-Butylbenzene	12.81	119	147165	19.274	ug/l	99
84) 1,2,4-Trimethylbenzene	12.85	105	172371	19.036	ug/l	99
85) sec-Butylbenzene	12.99	105	196797	19.047	ug/l	100
86) p-Isopropyltoluene	13.10	119	178580	19.043	ug/l	99
87) 1,3-Dichlorobenzene	13.09	146	89586	19.228	ug/l	99
88) 1,4-Dichlorobenzene	13.17	146	90250	19.083	ug/l	99
89) n-Butylbenzene	13.43	91	161719	18.900	ug/l	99
90) Hexachloroethane	13.68	117	11759	15.359	ug/l	100
91) 1,2-Dichlorobenzene	13.46	146	84172	19.418	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.08	75	11324	18.042	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.72	180	55830	19.257	ug/l	99
94) Hexachlorobutadiene	14.82	225	24754	19.579	ug/l	99
95) Naphthalene	14.93	128	168939	18.873	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	53501	19.204	ug/l	100

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

