

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042920\
 Data File : VN061184.D
 Acq On : 29 Apr 2020 11:55
 Operator : JC/MD
 Sample : VN0429WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/30/2020 2:11:19 PM

Quant Time: Apr 29 15:29:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	99131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	170900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	160084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	76387	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	78592	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	7.54	113	49358	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
50) Toluene-d8	10.06	98	201327	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
62) 4-Bromofluorobenzene	12.37	95	74854	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	20149	19.168	ug/l	99
3) Chloromethane	2.03	50	23421	18.396	ug/l	98
4) Vinyl Chloride	2.16	62	26828	18.553	ug/l	99
5) Bromomethane	2.54	94	13348	18.674	ug/l	98
6) Chloroethane	2.67	64	17240	18.810	ug/l	98
7) Trichlorofluoromethane	2.98	101	33574	20.579	ug/l	99
8) Diethyl Ether	3.37	74	13578	19.953	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	20312	19.326	ug/l	99
10) Methyl Iodide	3.91	142	24750	18.323	ug/l	98
11) Tert butyl alcohol	4.72	59	20803	99.005	ug/l	99
12) 1,1-Dichloroethene	3.69	96	19148	18.307	ug/l	98
13) Acrolein	3.56	56	10431	74.494	ug/l	94
14) Allyl chloride	4.27	41	39885	20.567	ug/l	98
15) Acrylonitrile	4.92	53	61107	94.737	ug/l	99
16) Acetone	3.77	43	56481	89.560	ug/l	100
17) Carbon Disulfide	4.00	76	53983	18.685	ug/l	97
18) Methyl Acetate	4.27	43	35017	18.124	ug/l	98
19) Methyl tert-butyl Ether	4.98	73	77076	19.286	ug/l	99
20) Methylene Chloride	4.50	84	23117	18.900	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	21701	19.054	ug/l	96
22) Diisopropyl ether	5.90	45	85828	19.085	ug/l	100
23) Vinyl Acetate	5.84	43	344817	95.228	ug/l	99
24) 1,1-Dichloroethane	5.79	63	44709	19.028	ug/l	98
25) 2-Butanone	6.78	43	85685	92.316	ug/l	100
26) 2,2-Dichloropropane	6.77	77	39211	19.813	ug/l	99
27) cis-1,2-Dichloroethene	6.77	96	26053	19.493	ug/l	99
28) Bromochloromethane	7.14	49	21534	19.336	ug/l	98
29) Tetrahydrofuran	7.16	42	58165	93.029	ug/l	99
30) Chloroform	7.33	83	44543	18.707	ug/l	99
31) Cyclohexane	7.61	56	41116	18.019	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	38546	18.590	ug/l	97
36) 1,1-Dichloropropene	7.75	75	32811	19.179	ug/l	99
37) Ethyl Acetate	6.87	43	37013	18.455	ug/l	99
38) Carbon Tetrachloride	7.73	117	27689	19.215	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	36220	18.878	ug/l	99
40) Benzene	8.00	78	96797	18.991	ug/l	99
41) Methacrylonitrile	7.12	41	18003	21.619	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	38519	19.949	ug/l	100
43) Isopropyl Acetate	8.12	43	63101	18.958	ug/l	99
44) Trichloroethene	8.80	130	25364	18.409	ug/l	98
45) 1,2-Dichloropropane	9.08	63	25978	19.078	ug/l	98
46) Dibromomethane	9.17	93	16904	20.050	ug/l	98
47) Bromodichloromethane	9.36	83	35352	19.535	ug/l	99
48) Methyl methacrylate	9.16	41	28128	18.727	ug/l	96
49) 1,4-Dioxane	9.16	88	7129	418.131	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	186342	95.110	ug/l	99
52) Toluene	10.12	92	58733	19.131	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	39805	19.521	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	41750	19.367	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	23450	19.150	ug/l	98
56) Ethyl methacrylate	10.40	69	35022	18.245	ug/l	96
57) 1,3-Dichloropropane	10.68	76	41791	19.416	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	94723	95.565	ug/l	99
59) 2-Hexanone	10.72	43	134583	94.419	ug/l	99
60) Dibromochloromethane	10.87	129	24748	19.297	ug/l	99
61) 1,2-Dibromoethane	10.98	107	23792	19.385	ug/l	98
64) Tetrachloroethene	10.60	164	26659	19.228	ug/l	98
65) Chlorobenzene	11.40	112	60715	19.120	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	21872	19.244	ug/l	99
67) Ethyl Benzene	11.48	91	112956	19.002	ug/l	99
68) m/p-Xylenes	11.59	106	82382	37.861	ug/l	99
69) o-Xylene	11.92	106	38747	18.539	ug/l	98
70) Styrene	11.94	104	65226	18.646	ug/l	99
71) Bromoform	12.10	173	16344	19.567	ug/l #	100
73) Isopropylbenzene	12.22	105	106195	18.911	ug/l	98
74) N-amyl acetate	12.04	43	53642	18.864	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	33365	19.055	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	33537m	20.825	ug/l	
77) Bromobenzene	12.50	156	25020	19.301	ug/l	100
78) n-propylbenzene	12.56	91	128363	19.272	ug/l	100
79) 2-Chlorotoluene	12.65	91	74943	19.143	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	90239	19.416	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	12275	19.356	ug/l	99
82) 4-Chlorotoluene	12.75	91	79625	19.297	ug/l	98
83) tert-Butylbenzene	12.97	119	75224	19.194	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	90420	18.883	ug/l	99
85) sec-Butylbenzene	13.15	105	102589	19.200	ug/l	100
86) p-Isopropyltoluene	13.26	119	92796	19.276	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	45662	19.134	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	46543	19.088	ug/l	99
89) n-Butylbenzene	13.59	91	85588	19.393	ug/l	99
90) Hexachloroethane	13.85	117	8574	22.097	ug/l	98
91) 1,2-Dichlorobenzene	13.62	146	44188	19.311	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	7080	19.145	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	26504	19.021	ug/l	99
94) Hexachlorobutadiene	14.98	225	11565	19.867	ug/l	99
95) Naphthalene	15.10	128	82584	18.199	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	26156	19.013	ug/l	99

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

