

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062420\
 Data File : VN062066.D
 Acq On : 24 Jun 2020 16:36
 Operator : JC/MD
 Sample : VN0624WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/25/2020 6:10:26 PM

Quant Time: Jun 25 04:53:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	244818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	436751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	404103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	179554	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	171869	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
35) Dibromofluoromethane	7.55	113	138568	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	10.06	98	540337	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
62) 4-Bromofluorobenzene	12.37	95	178515	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	49875	18.023	ug/l	100
3) Chloromethane	2.03	50	64621	19.006	ug/l	99
4) Vinyl Chloride	2.16	62	74819	17.169	ug/l	99
5) Bromomethane	2.53	94	54830	19.468	ug/l	100
6) Chloroethane	2.67	64	52593	17.667	ug/l	96
7) Trichlorofluoromethane	2.98	101	93794	17.467	ug/l	99
8) Diethyl Ether	3.37	74	35466	18.915	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	51650	18.368	ug/l	99
10) Methyl Iodide	3.91	142	55132	17.409	ug/l	100
11) Tert butyl alcohol	4.74	59	47099	95.482	ug/l #	88
12) 1,1-Dichloroethene	3.69	96	50546	17.981	ug/l	98
13) Acrolein	3.56	56	43822	90.738	ug/l	98
14) Allyl chloride	4.27	41	70919	18.530	ug/l	99
15) Acrylonitrile	4.93	53	127395	94.774	ug/l	99
16) Acetone	3.78	43	108428	98.084	ug/l	97
17) Carbon Disulfide	4.00	76	150056	18.668	ug/l	100
18) Methyl Acetate	4.28	43	50347	18.435	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	171694	19.114	ug/l	99
20) Methylene Chloride	4.50	84	61517	19.372	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	55001	17.175	ug/l	97
22) Diisopropyl ether	5.91	45	159780	18.335	ug/l	99
23) Vinyl Acetate	5.84	43	672929	94.582	ug/l	100
24) 1,1-Dichloroethane	5.80	63	102391	18.247	ug/l	99
25) 2-Butanone	6.79	43	160980	95.862	ug/l	99
26) 2,2-Dichloropropane	6.77	77	83304	17.815	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	65115	18.070	ug/l	97
28) Bromochloromethane	7.15	49	46450	19.078	ug/l	99
29) Tetrahydrofuran	7.17	42	104430	94.935	ug/l	98
30) Chloroform	7.33	83	104166	18.245	ug/l	97
31) Cyclohexane	7.61	56	86834	18.294	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	86607	17.988	ug/l	99
36) 1,1-Dichloropropene	7.75	75	75330	17.159	ug/l	100
37) Ethyl Acetate	6.88	43	68388	18.813	ug/l	99
38) Carbon Tetrachloride	7.73	117	71065	17.170	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	85209	17.715	ug/l	98
40) Benzene	8.00	78	233189	17.428	ug/l	100
41) Methacrylonitrile	7.12	41	26811	15.909	ug/l	93
42) 1,2-Dichloroethane	8.08	62	83500	18.470	ug/l	99
43) Isopropyl Acetate	8.13	43	108337	18.282	ug/l	98
44) Trichloroethene	8.80	130	58347	17.287	ug/l	97
45) 1,2-Dichloropropane	9.09	63	59821	18.122	ug/l	98
46) Dibromomethane	9.18	93	41978	18.756	ug/l	98
47) Bromodichloromethane	9.37	83	83205	18.412	ug/l	98
48) Methyl methacrylate	9.17	41	48724	18.338	ug/l	97
49) 1,4-Dioxane	9.17	88	21880	371.336	ug/l #	91
51) 4-Methyl-2-Pentanone	9.95	43	328202	94.794	ug/l	100
52) Toluene	10.12	92	150374	18.419	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	88640	17.828	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	98208	18.554	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	60367	18.810	ug/l	99
56) Ethyl methacrylate	10.40	69	80182	18.722	ug/l	98
57) 1,3-Dichloropropane	10.68	76	102828	18.615	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	157619	96.974	ug/l	99
59) 2-Hexanone	10.72	43	237804	95.118	ug/l	100
60) Dibromochloromethane	10.87	129	62142	18.289	ug/l	98
61) 1,2-Dibromoethane	10.98	107	59954	18.181	ug/l	99
64) Tetrachloroethene	10.60	164	49110	17.791	ug/l	99
65) Chlorobenzene	11.40	112	159170	17.936	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	55464	18.075	ug/l	100
67) Ethyl Benzene	11.48	91	270692	18.061	ug/l	100
68) m/p-Xylenes	11.59	106	208904	36.037	ug/l	98
69) o-Xylene	11.92	106	99235	18.144	ug/l	98
70) Styrene	11.94	104	164343	18.017	ug/l	99
71) Bromoform	12.10	173	38588	17.687	ug/l #	99
73) Isopropylbenzene	12.22	105	261526	18.816	ug/l	100
74) N-amyl acetate	12.05	43	84625	18.777	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	87058	18.822	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	78152m	18.489	ug/l	
77) Bromobenzene	12.50	156	63116	18.291	ug/l	97
78) n-propylbenzene	12.57	91	294992	18.555	ug/l	99
79) 2-Chlorotoluene	12.65	91	173996	18.103	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	217850	19.335	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	27632	19.091	ug/l	94
82) 4-Chlorotoluene	12.75	91	184608	18.574	ug/l	99
83) tert-Butylbenzene	12.97	119	178899	18.553	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	210170	18.677	ug/l	99
85) sec-Butylbenzene	13.15	105	238061	18.684	ug/l	99
86) p-Isopropyltoluene	13.27	119	209100	18.732	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	110284	18.201	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	110169	17.638	ug/l	98
89) n-Butylbenzene	13.59	91	167697	18.069	ug/l	100
90) Hexachloroethane	13.85	117	38989	17.802	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	106255	18.084	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	14082	19.006	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	47554	18.526	ug/l	96
94) Hexachlorobutadiene	14.98	225	20769	18.629	ug/l	97
95) Naphthalene	15.10	128	137595	18.787	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	48434	18.454	ug/l	100

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

