

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062260.D
 Acq On : 1 Jul 2020 00:41
 Operator : JC/MD
 Sample : VN0630WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBSD02

Manual Integrations
 APPROVED

MMDadoda
 7/1/2020 11:04:18 AM

Quant Time: Jul 01 05:43:54 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	7.63	168	218728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	408889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	380082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	163359	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	159368	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	7.55	113	125481	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
50) Toluene-d8	10.06	98	485107	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
62) 4-Bromofluorobenzene	12.38	95	159034	44.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	42097	17.027	ug/l	95
3) Chloromethane	2.03	50	56997	18.746	ug/l	99
4) Vinyl Chloride	2.16	62	66566	17.097	ug/l	100
5) Bromomethane	2.53	94	43107	17.131	ug/l	99
6) Chloroethane	2.67	64	46678	17.550	ug/l	98
7) Trichlorofluoromethane	2.98	101	82078	17.108	ug/l	97
8) Diethyl Ether	3.37	74	32521	19.413	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	46086	18.344	ug/l	96
10) Methyl Iodide	3.91	142	47781	16.887	ug/l	99
11) Tert butyl alcohol	4.74	59	46027	104.438	ug/l #	85
12) 1,1-Dichloroethene	3.70	96	46057	18.338	ug/l	100
13) Acrolein	3.57	56	43836	101.594	ug/l	95
14) Allyl chloride	4.28	41	69298	20.266	ug/l	97
15) Acrylonitrile	4.93	53	123998	103.250	ug/l	99
16) Acetone	3.78	43	101471	102.935	ug/l	97
17) Carbon Disulfide	4.01	76	128250	17.861	ug/l	98
18) Methyl Acetate	4.28	43	51741	21.205	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	158395	19.737	ug/l	97
20) Methylene Chloride	4.50	84	58518	20.640	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	50814	17.760	ug/l	97
22) Diisopropyl ether	5.90	45	158691	20.382	ug/l	94
23) Vinyl Acetate	5.84	43	635320	99.947	ug/l	98
24) 1,1-Dichloroethane	5.80	63	97769	19.501	ug/l	99
25) 2-Butanone	6.79	43	153914	102.587	ug/l	97
26) 2,2-Dichloropropane	6.78	77	67832	16.236	ug/l	96
27) cis-1,2-Dichloroethene	6.78	96	59250	18.403	ug/l	97
28) Bromochloromethane	7.15	49	44853	20.620	ug/l	92
29) Tetrahydrofuran	7.17	42	104369	106.197	ug/l	98
30) Chloroform	7.33	83	98010	19.214	ug/l	98
31) Cyclohexane	7.61	56	79539	18.756	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	79965	18.589	ug/l	97
36) 1,1-Dichloropropene	7.75	75	70349	17.117	ug/l	98
37) Ethyl Acetate	6.89	43	67279	19.769	ug/l	99
38) Carbon Tetrachloride	7.73	117	65336	16.862	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	75732	16.817	ug/l	96
40) Benzene	8.00	78	223961	17.878	ug/l	100
41) Methacrylonitrile	7.12	41	24922	15.796	ug/l #	82
42) 1,2-Dichloroethane	8.09	62	76983	18.189	ug/l	99
43) Isopropyl Acetate	8.13	43	105332	18.986	ug/l	98
44) Trichloroethene	8.80	130	52342	16.564	ug/l	98
45) 1,2-Dichloropropane	9.08	63	58119	18.806	ug/l	99
46) Dibromomethane	9.17	93	37013	17.664	ug/l	97
47) Bromodichloromethane	9.37	83	76624	18.111	ug/l	97
48) Methyl methacrylate	9.17	41	47457	19.078	ug/l	96
49) 1,4-Dioxane	9.17	88	19286	349.615	ug/l #	91
51) 4-Methyl-2-Pentanone	9.95	43	329143	101.544	ug/l	98
52) Toluene	10.12	92	135817	17.769	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	80011	17.189	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	88141	17.786	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	55199	18.372	ug/l	99
56) Ethyl methacrylate	10.40	69	74531	18.588	ug/l	98
57) 1,3-Dichloropropane	10.68	76	95229	18.414	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	134728	89.940	ug/l	98
59) 2-Hexanone	10.72	43	234265	100.088	ug/l	98
60) Dibromochloromethane	10.87	129	55723	17.518	ug/l	98
61) 1,2-Dibromoethane	10.98	107	53278	17.258	ug/l	96
64) Tetrachloroethene	10.60	164	41499	15.984	ug/l	94
65) Chlorobenzene	11.41	112	141467	16.949	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	50293	17.425	ug/l	98
67) Ethyl Benzene	11.48	91	248391	17.621	ug/l	98
68) m/p-Xylenes	11.59	106	186718	34.246	ug/l	97
69) o-Xylene	11.92	106	88912	17.284	ug/l	98
70) Styrene	11.94	104	149336	17.406	ug/l	100
71) Bromoform	12.10	173	32486	15.831	ug/l #	99
73) Isopropylbenzene	12.22	105	237996	18.821	ug/l	99
74) N-amyl acetate	12.05	43	84140	20.210	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	82510	19.608	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	67779m	17.625	ug/l	
77) Bromobenzene	12.50	156	54955	17.505	ug/l	90
78) n-propylbenzene	12.57	91	270438	18.697	ug/l	99
79) 2-Chlorotoluene	12.65	91	162820	18.620	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	190973	18.630	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	22552	17.126	ug/l	93
82) 4-Chlorotoluene	12.75	91	167082	18.477	ug/l	97
83) tert-Butylbenzene	12.97	119	162986	18.579	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	189788	18.537	ug/l	99
85) sec-Butylbenzene	13.15	105	221881	19.141	ug/l	99
86) p-Isopropyltoluene	13.26	119	186113	18.325	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	95509	17.325	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	95404	16.789	ug/l	98
89) n-Butylbenzene	13.59	91	148839	17.627	ug/l	98
90) Hexachloroethane	13.85	117	36204	18.169	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	94298	17.640	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	13649	20.248	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	38645	16.548	ug/l	98
94) Hexachlorobutadiene	14.98	225	18300	18.042	ug/l	97
95) Naphthalene	15.10	128	112011	17.231	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	40981	17.162	ug/l	99

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

