

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061972.D
 Acq On : 20 Jun 2020 3:15
 Operator : JC/MD
 Sample : VN0619WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 10:30:14 AM

Quant Time: Jun 22 02:53:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	125936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	241120	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	221338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	95183	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	110215	65.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.52%	
35) Dibromofluoromethane	7.55	113	88596	57.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.86%	
50) Toluene-d8	10.06	98	312264	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.37	95	102713	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	29440	18.153	ug/l	100
3) Chloromethane	2.03	50	39436	22.560	ug/l	99
4) Vinyl Chloride	2.16	62	43536	20.892	ug/l	100
5) Bromomethane	2.53	94	33135	20.706	ug/l	100
6) Chloroethane	2.67	64	31787	22.538	ug/l	99
7) Trichlorofluoromethane	2.98	101	48032	19.296	ug/l	97
8) Diethyl Ether	3.37	74	22000	26.290	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	24327	19.050	ug/l	97
10) Methyl Iodide	3.91	142	36178	26.295	ug/l	99
11) Tert butyl alcohol	4.73	59	31930	136.616	ug/l	99
12) 1,1-Dichloroethene	3.70	96	27288	21.326	ug/l	92
13) Acrolein	3.57	56	13444	96.242	ug/l	98
14) Allyl chloride	4.28	41	37747	22.227	ug/l	96
15) Acrylonitrile	4.93	53	82086	141.742	ug/l	99
16) Acetone	3.78	43	67355	135.008	ug/l	97
17) Carbon Disulfide	4.01	76	73821	19.717	ug/l	100
18) Methyl Acetate	4.28	43	40623	28.282	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	112532	26.413	ug/l	100
20) Methylene Chloride	4.50	84	39139	24.080	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	32825	22.334	ug/l	94
22) Diisopropyl ether	5.90	45	100338	25.834	ug/l	94
23) Vinyl Acetate	5.84	43	396722	129.868	ug/l	98
24) 1,1-Dichloroethane	5.80	63	60461	23.780	ug/l	98
25) 2-Butanone	6.79	43	100268	137.752	ug/l	100
26) 2,2-Dichloropropane	6.78	77	36136	16.893	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	41125	24.250	ug/l	96
28) Bromochloromethane	7.15	49	29736	26.267	ug/l	95
29) Tetrahydrofuran	7.17	42	66956	139.774	ug/l	98
30) Chloroform	7.33	83	65334	24.044	ug/l	100
31) Cyclohexane	7.61	56	38606	17.345	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	48381	20.907	ug/l	100
36) 1,1-Dichloropropene	7.75	75	39296	17.868	ug/l	99
37) Ethyl Acetate	6.88	43	44185	25.728	ug/l	98
38) Carbon Tetrachloride	7.73	117	38310	17.590	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	37581	15.869	ug/l	96
40) Benzene	8.00	78	139172	20.890	ug/l	97
41) Methacrylonitrile	7.12	41	16779	22.847	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	52192	22.976	ug/l	99
43) Isopropyl Acetate	8.13	43	69603	24.049	ug/l #	92
44) Trichloroethene	8.80	130	33923	19.348	ug/l	100
45) 1,2-Dichloropropane	9.09	63	37019	22.611	ug/l	99
46) Dibromomethane	9.18	93	26487	22.974	ug/l	99
47) Bromodichloromethane	9.37	83	51559	21.840	ug/l	98
48) Methyl methacrylate	9.17	41	31553	23.973	ug/l	97
49) 1,4-Dioxane	9.17	88	14498	479.771	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	211450	123.632	ug/l	99
52) Toluene	10.12	92	85718	20.487	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	51860	20.693	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	56808	20.869	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	38527	23.404	ug/l	99
56) Ethyl methacrylate	10.40	69	51883	22.338	ug/l	98
57) 1,3-Dichloropropane	10.68	76	63663	22.827	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	97355	112.056	ug/l	98
59) 2-Hexanone	10.72	43	151227	118.147	ug/l	100
60) Dibromochloromethane	10.87	129	40456	22.024	ug/l	99
61) 1,2-Dibromoethane	10.98	107	38730	22.531	ug/l	98
64) Tetrachloroethene	10.60	164	26564	18.830	ug/l	94
65) Chlorobenzene	11.40	112	91818	19.659	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	34614	21.250	ug/l	98
67) Ethyl Benzene	11.48	91	145738	18.611	ug/l	100
68) m/p-Xylenes	11.59	106	112110	37.129	ug/l	98
69) o-Xylene	11.92	106	56536	19.623	ug/l	98
70) Styrene	11.94	104	94246	19.537	ug/l	98
71) Bromoform	12.10	173	27134	22.846	ug/l #	99
73) Isopropylbenzene	12.22	105	137416	20.316	ug/l	99
74) N-amyl acetate	12.04	43	54870	24.092	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	57538	26.165	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	49088m	26.269	ug/l	
77) Bromobenzene	12.50	156	37290	21.853	ug/l	96
78) n-propylbenzene	12.56	91	150810	19.541	ug/l	100
79) 2-Chlorotoluene	12.65	91	95795	20.667	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	114378	20.440	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	15267	22.283	ug/l	98
82) 4-Chlorotoluene	12.75	91	98884	20.645	ug/l	100
83) tert-Butylbenzene	12.97	119	93910	19.796	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	115015	20.822	ug/l	99
85) sec-Butylbenzene	13.15	105	120619	19.425	ug/l	98
86) p-Isopropyltoluene	13.26	119	106427	19.235	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	60822	19.543	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	62412	19.591	ug/l	97
89) n-Butylbenzene	13.59	91	82123	17.772	ug/l	99
90) Hexachloroethane	13.85	117	19599	19.351	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	63469	21.183	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	8875	24.860	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	27589	19.514	ug/l	99
94) Hexachlorobutadiene	14.98	225	10435	18.739	ug/l	95
95) Naphthalene	15.10	128	91113	21.386	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	28495	20.350	ug/l	98

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

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