

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
 Data File : VN064438.D
 Acq On : 4 Nov 2020 16:00
 Operator : JC/MD
 Sample : VN1104WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1104WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:19:32 PM

Quant Time: Nov 05 01:30:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	315019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	563386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	530324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	228031	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	271598	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	7.55	113	182453	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
50) Toluene-d8	10.06	98	689603	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
62) 4-Bromofluorobenzene	12.38	95	256828	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	76126	18.564	ug/l	99
3) Chloromethane	2.04	50	91883	18.447	ug/l	99
4) Vinyl Chloride	2.17	62	96113	18.791	ug/l	97
5) Bromomethane	2.54	94	63833	19.535	ug/l	100
6) Chloroethane	2.68	64	61702	18.841	ug/l	99
7) Trichlorofluoromethane	2.99	101	141073	18.730	ug/l	97
8) Diethyl Ether	3.38	74	49835	18.737	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	65183	18.225	ug/l	99
10) Methyl Iodide	3.91	142	72390	17.418	ug/l	99
11) Tert butyl alcohol	4.75	59	63785	105.409	ug/l #	81
12) 1,1-Dichloroethene	3.69	96	60990	18.103	ug/l	99
13) Acrolein	3.57	56	39660	105.662	ug/l	94
14) Allyl chloride	4.27	41	120045	18.215	ug/l	97
15) Acrylonitrile	4.94	53	171209	101.625	ug/l	99
16) Acetone	3.79	43	178510	85.405	ug/l	97
17) Carbon Disulfide	4.00	76	175290	17.398	ug/l	98
18) Methyl Acetate	4.29	43	80250	19.529	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	230949	19.046	ug/l	97
20) Methylene Chloride	4.51	84	76344	18.409	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	71307	18.641	ug/l	98
22) Diisopropyl ether	5.91	45	255779	18.283	ug/l	98
23) Vinyl Acetate	5.85	43	1063303	93.429	ug/l	99
24) 1,1-Dichloroethane	5.80	63	144074	18.741	ug/l	99
25) 2-Butanone	6.79	43	253570	95.214	ug/l	97
26) 2,2-Dichloropropane	6.78	77	120214	17.274	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	82389	18.587	ug/l	97
28) Bromochloromethane	7.15	49	66370	17.564	ug/l	94
29) Tetrahydrofuran	7.17	42	160974	98.521	ug/l	99
30) Chloroform	7.33	83	148335	18.356	ug/l	99
31) Cyclohexane	7.61	56	119517	17.918	ug/l #	95
32) 1,1,1-Trichloroethane	7.53	97	132705	18.515	ug/l	99
36) 1,1-Dichloropropene	7.76	75	106977	17.974	ug/l	99
37) Ethyl Acetate	6.89	43	106749	18.165	ug/l	99
38) Carbon Tetrachloride	7.74	117	114956	18.072	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	93553	17.534	ug/l	97
40) Benzene	8.00	78	314511	17.983	ug/l	99
41) Methacrylonitrile	7.12	41	53811m	20.393	ug/l	
42) 1,2-Dichloroethane	8.09	62	133434	18.905	ug/l	99
43) Isopropyl Acetate	8.13	43	178947	18.553	ug/l	99
44) Trichloroethene	8.80	130	79126	17.932	ug/l	97
45) 1,2-Dichloropropane	9.09	63	85464	18.314	ug/l	98
46) Dibromomethane	9.18	93	54944	17.886	ug/l	98
47) Bromodichloromethane	9.37	83	119664	18.116	ug/l	99
48) Methyl methacrylate	9.17	41	90714	18.638	ug/l	97
49) 1,4-Dioxane	9.17	88	27317	426.121	ug/l	98
51) 4-Methyl-2-Pentanone	9.96	43	556396	98.917	ug/l	100
52) Toluene	10.13	92	193112	18.104	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	124858	17.830	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	133850	17.877	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	75549	18.160	ug/l	98
56) Ethyl methacrylate	10.40	69	110879	17.444	ug/l	97
57) 1,3-Dichloropropane	10.68	76	135158	18.613	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.67	63	292729	104.251	ug/l	98
59) 2-Hexanone	10.72	43	394129	88.571	ug/l	99
60) Dibromochloromethane	10.87	129	83966	18.028	ug/l	100
61) 1,2-Dibromoethane	10.98	107	79048	18.733	ug/l	99
64) Tetrachloroethene	10.60	164	73675	18.035	ug/l	97
65) Chlorobenzene	11.41	112	202941	17.456	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	75835	17.485	ug/l	99
67) Ethyl Benzene	11.49	91	369856	17.885	ug/l	99
68) m/p-Xylenes	11.60	106	259141	34.554	ug/l	95
69) o-Xylene	11.92	106	130125	17.956	ug/l	99
70) Styrene	11.94	104	216270	17.735	ug/l	99
71) Bromoform	12.10	173	52049	16.850	ug/l #	98
73) Isopropylbenzene	12.22	105	334357	18.448	ug/l	98
74) N-amyl acetate	12.05	43	148544	17.702	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	107917	19.385	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	106207m	19.223	ug/l	
77) Bromobenzene	12.50	156	80141	18.111	ug/l	99
78) n-propylbenzene	12.57	91	376631	18.227	ug/l	99
79) 2-Chlorotoluene	12.65	91	234571	17.898	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	276268	18.477	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	33604	16.982	ug/l	91
82) 4-Chlorotoluene	12.75	91	243980	17.776	ug/l	99
83) tert-Butylbenzene	12.97	119	210856	18.056	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	274223	18.244	ug/l	100
85) sec-Butylbenzene	13.15	105	272454	18.422	ug/l	100
86) p-Isopropyltoluene	13.26	119	241829	18.178	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	137071	17.920	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	136513	17.269	ug/l	98
89) n-Butylbenzene	13.59	91	201873	17.649	ug/l	99
90) Hexachloroethane	13.85	117	45774	17.837	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	136917	18.608	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	21041	18.984	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	55396	16.997	ug/l	98
94) Hexachlorobutadiene	14.98	225	28643	19.120	ug/l	99
95) Naphthalene	15.10	128	183315	17.218	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	56907	17.958	ug/l	97

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

