

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111620\
 Data File : VN064653.D
 Acq On : 16 Nov 2020 11:14
 Operator : JC/MD
 Sample : VN1116WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 5:42:39 PM

Quant Time: Nov 17 04:09:08 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	7.62	168	292181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	499961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	470027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	215457	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	259436	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
35) Dibromofluoromethane	7.55	113	171332	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.06	98	641925	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.38	95	228727	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.84	85	65018	17.095	ug/l	97
3) Chloromethane	2.04	50	71502	15.477	ug/l	97
4) Vinyl Chloride	2.17	62	81230	17.122	ug/l	98
5) Bromomethane	2.54	94	56749	18.724	ug/l	97
6) Chloroethane	2.68	64	55308	18.209	ug/l	99
7) Trichlorofluoromethane	2.99	101	136175	19.493	ug/l	99
8) Diethyl Ether	3.37	74	46360	18.793	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	61488	18.535	ug/l	97
10) Methyl Iodide	3.91	142	70571	18.308	ug/l	98
11) Tert butyl alcohol	4.75	59	49440	88.089	ug/l	99
12) 1,1-Dichloroethene	3.69	96	53399	17.089	ug/l	94
13) Acrolein	3.57	56	17898	51.411	ug/l	98
14) Allyl chloride	4.28	41	99970	16.354	ug/l	95
15) Acrylonitrile	4.93	53	146228	93.581	ug/l	99
16) Acetone	3.78	43	171422	88.425	ug/l	98
17) Carbon Disulfide	4.01	76	153060	16.379	ug/l	100
18) Methyl Acetate	4.28	43	77560	20.350	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	193626	17.217	ug/l	100
20) Methylene Chloride	4.51	84	70078	18.219	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	62864	17.718	ug/l	90
22) Diisopropyl ether	5.91	45	219588	16.923	ug/l	98
23) Vinyl Acetate	5.85	43	890600	84.371	ug/l	98
24) 1,1-Dichloroethane	5.80	63	125258	17.567	ug/l	99
25) 2-Butanone	6.79	43	216804	87.772	ug/l	99
26) 2,2-Dichloropropane	6.77	77	114952	17.809	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	69578	16.924	ug/l	99
28) Bromochloromethane	7.15	49	61287	17.487	ug/l	100
29) Tetrahydrofuran	7.17	42	134048	88.454	ug/l	99
30) Chloroform	7.33	83	139018	18.548	ug/l	97
31) Cyclohexane	7.61	56	94428	15.263	ug/l #	92
32) 1,1,1-Trichloroethane	7.53	97	122617	18.445	ug/l	97
36) 1,1-Dichloropropene	7.75	75	95357	18.054	ug/l	99
37) Ethyl Acetate	6.88	43	93623	17.961	ug/l	99
38) Carbon Tetrachloride	7.73	117	108314	19.188	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	79139	16.715	ug/l	92
40) Benzene	8.00	78	272413	17.552	ug/l	100
41) Methacrylonitrile	7.12	41	34684	14.812	ug/l	88
42) 1,2-Dichloroethane	8.08	62	117989	18.838	ug/l	100
43) Isopropyl Acetate	8.13	43	149600	17.478	ug/l	98
44) Trichloroethene	8.80	130	69655	17.788	ug/l	99
45) 1,2-Dichloropropane	9.08	63	75482	18.227	ug/l	97
46) Dibromomethane	9.17	93	53613	19.666	ug/l	97
47) Bromodichloromethane	9.37	83	113405	19.347	ug/l	99
48) Methyl methacrylate	9.17	41	73490	17.015	ug/l	98
49) 1,4-Dioxane	9.16	88	21437	376.820	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	464639	93.083	ug/l	100
52) Toluene	10.12	92	172933	18.269	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	112737	18.141	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	119498	17.985	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	71101	19.259	ug/l	99
56) Ethyl methacrylate	10.40	69	89567	16.044	ug/l	97
57) 1,3-Dichloropropane	10.68	76	121294	18.823	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	237764	97.243	ug/l	96
59) 2-Hexanone	10.72	43	328681	83.476	ug/l	98
60) Dibromochloromethane	10.87	129	79645	19.269	ug/l	100
61) 1,2-Dibromoethane	10.97	107	71680	19.142	ug/l	99
64) Tetrachloroethene	10.60	164	67460	18.632	ug/l	97
65) Chlorobenzene	11.41	112	183708	17.829	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	74654	19.421	ug/l	99
67) Ethyl Benzene	11.48	91	321851	17.560	ug/l	100
68) m/p-Xylenes	11.59	106	234159	35.228	ug/l	99
69) o-Xylene	11.92	106	106162	16.528	ug/l	94
70) Styrene	11.94	104	187912	17.386	ug/l	99
71) Bromoform	12.10	173	52334	18.944	ug/l #	100
73) Isopropylbenzene	12.22	105	290183	16.945	ug/l	100
74) N-amyl acetate	12.04	43	122575	15.614	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	98524	18.731	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	91688m	17.564	ug/l	
77) Bromobenzene	12.50	156	76634	18.329	ug/l	95
78) n-propylbenzene	12.57	91	340387	17.434	ug/l	98
79) 2-Chlorotoluene	12.65	91	214849	17.350	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	247393	17.511	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	30227	16.167	ug/l	90
82) 4-Chlorotoluene	12.75	91	226213	17.444	ug/l	100
83) tert-Butylbenzene	12.97	119	190386	17.254	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	250215	17.618	ug/l	99
85) sec-Butylbenzene	13.14	105	254917	18.242	ug/l	100
86) p-Isopropyltoluene	13.26	119	226320	18.005	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	129790	17.958	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	128154	17.158	ug/l	98
89) n-Butylbenzene	13.59	91	190758	17.651	ug/l	99
90) Hexachloroethane	13.85	117	47372	19.537	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	127655	18.362	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	21553	20.580	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	51267	16.702	ug/l	98
94) Hexachlorobutadiene	14.98	225	30151	21.301	ug/l	99
95) Naphthalene	15.11	128	152376	15.583	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	53318	17.831	ug/l	98

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

