

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072720\
 Data File : VN062601.D
 Acq On : 27 Jul 2020 16:19
 Operator : JC/MD
 Sample : VN0727WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/28/2020 1:46:10 PM

Quant Time: Jul 28 06:47:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	152900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	244223	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	227810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	108535	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	117037	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
35) Dibromofluoromethane	7.54	113	77813	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
50) Toluene-d8	10.06	98	304780	47.62	ug/l	0.00
Spiked Amount			Recovery	=	95.24%	
62) 4-Bromofluorobenzene	12.37	95	113353	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	37436	20.526	ug/l	97
3) Chloromethane	2.04	50	38606	15.607	ug/l	96
4) Vinyl Chloride	2.16	62	36562	17.050	ug/l	100
5) Bromomethane	2.54	94	22510	23.700	ug/l	97
6) Chloroethane	2.67	64	21295	21.953	ug/l	99
7) Trichlorofluoromethane	2.98	101	60133	23.883	ug/l	100
8) Diethyl Ether	3.37	74	21691	18.423	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.72	101	32705	20.260	ug/l	98
10) Methyl Iodide	3.91	142	32950	15.966	ug/l	97
11) Tert butyl alcohol	4.73	59	31156	82.456	ug/l #	86
12) 1,1-Dichloroethene	3.70	96	31700	19.363	ug/l	90
13) Acrolein	3.57	56	21376	60.852	ug/l	98
14) Allyl chloride	4.27	41	57831	16.330	ug/l	94
15) Acrylonitrile	4.93	53	84050	83.048	ug/l	97
16) Acetone	3.78	43	83774	93.726	ug/l	97
17) Carbon Disulfide	4.01	76	93438	17.370	ug/l	99
18) Methyl Acetate	4.28	43	37940	16.767	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	114920	19.071	ug/l	95
20) Methylene Chloride	4.50	84	37915	17.686	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	33727	18.561	ug/l	98
22) Diisopropyl ether	5.90	45	119163	16.928	ug/l	91
23) Vinyl Acetate	5.84	43	495401	85.890	ug/l	98
24) 1,1-Dichloroethane	5.79	63	69753	18.401	ug/l	98
25) 2-Butanone	6.78	43	113640	83.482	ug/l	95
26) 2,2-Dichloropropane	6.77	77	63090	20.275	ug/l	96
27) cis-1,2-Dichloroethene	6.77	96	37827	18.244	ug/l	98
28) Bromochloromethane	7.15	49	31616	16.948	ug/l	92
29) Tetrahydrofuran	7.16	42	73065	79.323	ug/l	93
30) Chloroform	7.33	83	68910	19.120	ug/l	99
31) Cyclohexane	7.61	56	61059	17.446	ug/l #	92
32) 1,1,1-Trichloroethane	7.53	97	62230	20.681	ug/l	99
36) 1,1-Dichloropropene	7.75	75	52336	20.105	ug/l	99
37) Ethyl Acetate	6.88	43	49858	17.768	ug/l	98
38) Carbon Tetrachloride	7.73	117	55205	22.063	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	55594	19.839	ug/l	97
40) Benzene	8.00	78	147510	18.717	ug/l	98
41) Methacrylonitrile	7.12	41	20534	17.074	ug/l	97
42) 1,2-Dichloroethane	8.08	62	61133	21.218	ug/l	98
43) Isopropyl Acetate	8.12	43	81685	18.058	ug/l	98
44) Trichloroethene	8.80	130	35167	19.787	ug/l	95
45) 1,2-Dichloropropane	9.08	63	38985	17.618	ug/l	98
46) Dibromomethane	9.18	93	24805	19.396	ug/l	98
47) Bromodichloromethane	9.37	83	55980	20.204	ug/l	98
48) Methyl methacrylate	9.16	41	38796	18.042	ug/l	98
49) 1,4-Dioxane	9.16	88	11092	335.847	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	241895	89.371	ug/l	99
52) Toluene	10.12	92	88767	19.397	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	61987	20.097	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	64484	19.484	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	35554	20.030	ug/l	97
56) Ethyl methacrylate	10.40	69	53449	17.945	ug/l	97
57) 1,3-Dichloropropane	10.68	76	61913	19.039	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	75660	90.196	ug/l	96
59) 2-Hexanone	10.72	43	172437	84.362	ug/l	100
60) Dibromochloromethane	10.87	129	40235	20.318	ug/l	96
61) 1,2-Dibromoethane	10.98	107	36069	19.514	ug/l	100
64) Tetrachloroethene	10.60	164	30855	20.846	ug/l	97
65) Chlorobenzene	11.40	112	93908	19.663	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	36311	20.210	ug/l	98
67) Ethyl Benzene	11.48	91	173901	19.859	ug/l	100
68) m/p-Xylenes	11.59	106	127938	40.649	ug/l	99
69) o-Xylene	11.92	106	59448	19.891	ug/l	98
70) Styrene	11.94	104	102518	20.306	ug/l	99
71) Bromoform	12.10	173	27915	20.693	ug/l #	96
73) Isopropylbenzene	12.22	105	166175	19.363	ug/l	98
74) N-amyl acetate	12.04	43	65045	16.972	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	49556	16.617	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	48526m	17.565	ug/l	
77) Bromobenzene	12.50	156	39085	18.951	ug/l	91
78) n-propylbenzene	12.56	91	192963	19.195	ug/l	99
79) 2-Chlorotoluene	12.65	91	117313	18.936	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	143580	20.169	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	18143	18.282	ug/l	96
82) 4-Chlorotoluene	12.75	91	121169	18.790	ug/l	100
83) tert-Butylbenzene	12.97	119	116129	19.646	ug/l	94
84) 1,2,4-Trimethylbenzene	13.01	105	140086	20.060	ug/l	97
85) sec-Butylbenzene	13.15	105	159479	20.152	ug/l	100
86) p-Isopropyltoluene	13.26	119	141720	20.821	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	67705	18.707	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	67921	19.064	ug/l	96
89) n-Butylbenzene	13.59	91	114459	19.571	ug/l	100
90) Hexachloroethane	13.85	117	27337	18.867	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	66198	19.129	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	10587	19.553	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	31221	19.197	ug/l	98
94) Hexachlorobutadiene	14.98	225	22469	23.772	ug/l	97
95) Naphthalene	15.10	128	77122	18.538	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	32321	19.818	ug/l	97

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

