

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056952.D
 Acq On : 26 Jul 2019 19:39
 Operator : JC/SP
 Sample : VN0727WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/31/2019 11:46:53 AM

Quant Time: Jul 27 01:17:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:47:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	560007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	857985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	740072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	285582	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	315010	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	
35) Dibromofluoromethane	7.58	113	291748	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
50) Toluene-d8	10.08	98	1088987	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.39	95	336016	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.84	85	118304	20.897	ug/l	100
3) Chloromethane	2.05	50	148096	21.846	ug/l	100
4) Vinyl Chloride	2.18	62	131615	20.705	ug/l	97
5) Bromomethane	2.55	94	80882	20.467	ug/l	97
6) Chloroethane	2.69	64	72656	20.735	ug/l	98
7) Trichlorofluoromethane	3.00	101	172296	20.706	ug/l	100
8) Diethyl Ether	3.40	74	65068	20.894	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	100018	19.387	ug/l	100
10) Methyl Iodide	3.94	142	115129	16.701	ug/l	100
11) Tert butyl alcohol	4.77	59	78761	101.647	ug/l	98
12) 1,1-Dichloroethene	3.72	96	102343	20.791	ug/l	99
13) Acrolein	3.59	56	33613	82.889	ug/l	97
14) Allyl chloride	4.31	41	159610	19.934	ug/l	98
15) Acrylonitrile	4.97	53	240557	105.866	ug/l	100
16) Acetone	3.80	43	181338	87.318	ug/l	99
17) Carbon Disulfide	4.04	76	255851	19.560	ug/l	99
18) Methyl Acetate	4.31	43	133146	20.098	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	306300	20.869	ug/l	98
20) Methylene Chloride	4.54	84	119118	19.912	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	107696	20.601	ug/l	96
22) Diisopropyl ether	5.93	45	353869	21.450	ug/l	98
23) Vinyl Acetate	5.88	43	1191650	104.250	ug/l	99
24) 1,1-Dichloroethane	5.83	63	201104	20.660	ug/l	98
25) 2-Butanone	6.82	43	290312	98.584	ug/l	98
26) 2,2-Dichloropropane	6.81	77	137067	18.519	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	128332	20.755	ug/l	97
28) Bromochloromethane	7.18	49	103269	22.571	ug/l	97
29) Tetrahydrofuran	7.20	42	202001	105.135	ug/l	99
30) Chloroform	7.36	83	200182	20.114	ug/l	99
31) Cyclohexane	7.64	56	181484	19.267	ug/l	93
32) 1,1,1-Trichloroethane	7.56	97	164062	20.661	ug/l	98
36) 1,1-Dichloropropene	7.78	75	147775	19.574	ug/l	98
37) Ethyl Acetate	6.91	43	119647	19.787	ug/l	98
38) Carbon Tetrachloride	7.76	117	142245	19.919	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	174647	18.100	ug/l	96
40) Benzene	8.03	78	464168	19.961	ug/l	100
41) Methacrylonitrile	7.16	41	39411m	14.099	ug/l	
42) 1,2-Dichloroethane	8.11	62	143643	19.710	ug/l	99
43) Isopropyl Acetate	8.15	43	200653	20.077	ug/l #	91
44) Trichloroethene	8.82	130	126205	19.700	ug/l	100
45) 1,2-Dichloropropane	9.11	63	123616	19.875	ug/l	98
46) Dibromomethane	9.20	93	77207	20.583	ug/l	100
47) Bromodichloromethane	9.39	83	147359	19.982	ug/l	98
48) Methyl methacrylate	9.19	41	98135	20.339	ug/l	99
49) 1,4-Dioxane	9.19	88	40070	402.978	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	602499	101.464	ug/l	99
52) Toluene	10.15	92	279765	20.025	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	147873	19.323	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	174757	19.640	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	114001	20.347	ug/l	99
56) Ethyl methacrylate	10.42	69	150633	18.937	ug/l	99
57) 1,3-Dichloropropane	10.70	76	185898	20.009	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	314663	93.721	ug/l	99
59) 2-Hexanone	10.74	43	402919	89.729	ug/l	100
60) Dibromochloromethane	10.90	129	116750	20.339	ug/l	99
61) 1,2-Dibromoethane	11.00	107	111676	20.425	ug/l	99
64) Tetrachloroethene	10.62	164	126310	19.805	ug/l	99
65) Chlorobenzene	11.43	112	298500	19.790	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	115075	20.269	ug/l	98
67) Ethyl Benzene	11.50	91	512800	19.671	ug/l	98
68) m/p-Xylenes	11.61	106	387595	40.286	ug/l	100
69) o-Xylene	11.94	106	188545	20.031	ug/l	99
70) Styrene	11.96	104	300575	19.259	ug/l	100
71) Bromoform	12.12	173	77951	19.666	ug/l #	99
73) Isopropylbenzene	12.24	105	502415	20.356	ug/l	100
74) N-amyl acetate	12.06	43	138712	19.356	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	143474	21.545	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	119642m	20.629	ug/l	
77) Bromobenzene	12.52	156	128384	19.930	ug/l	99
78) n-propylbenzene	12.59	91	525676	19.947	ug/l	100
79) 2-Chlorotoluene	12.67	91	324408	19.992	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	421924	20.829	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	34375	19.043	ug/l	96
82) 4-Chlorotoluene	12.77	91	302720	19.934	ug/l	100
83) tert-Butylbenzene	12.99	119	363743	20.284	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	409215	20.995	ug/l	99
85) sec-Butylbenzene	13.17	105	459580	19.869	ug/l	99
86) p-Isopropyltoluene	13.28	119	413111	20.117	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	194771	19.878	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	180928	19.181	ug/l	98
89) n-Butylbenzene	13.61	91	302896	19.138	ug/l	99
90) Hexachloroethane	13.87	117	69736	19.722	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	201390	20.883	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19781	20.151	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	76020	17.163	ug/l	98
94) Hexachlorobutadiene	15.00	225	71502	19.179	ug/l	97
95) Naphthalene	15.12	128	169497	16.554	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	82656	17.817	ug/l	100

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

