

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032519\
 Data File : VN054669.D
 Acq On : 25 Mar 2019 13:40
 Operator : JC/SP
 Sample : VN0325WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 12:33:05 PM

Quant Time: Mar 26 02:01:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	416705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	695913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	609311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	250605	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	291772	56.29	ug/l	0.00
Spiked Amount			Recovery	=	112.58%	
35) Dibromofluoromethane	7.59	113	228888	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
50) Toluene-d8	10.09	98	843400	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.40	95	282580	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	86063	21.604	ug/l	99
3) Chloromethane	2.06	50	118465	21.857	ug/l	100
4) Vinyl Chloride	2.19	62	108824	19.998	ug/l	99
5) Bromomethane	2.57	94	62723	17.825	ug/l	94
6) Chloroethane	2.71	64	60663	18.586	ug/l	95
7) Trichlorofluoromethane	3.02	101	134206	20.308	ug/l	99
8) Diethyl Ether	3.41	74	47428	18.661	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	3.76	101	72073	18.557	ug/l	94
10) Methyl Iodide	3.95	142	101257	17.724	ug/l	91
11) Tert butyl alcohol	4.82	59	31955	101.833	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	69404	17.268	ug/l #	77
13) Acrolein	3.61	56	42481	98.098	ug/l	94
14) Allyl chloride	4.32	41	164283	21.706	ug/l #	91
15) Acrylonitrile	4.99	53	182736	116.937	ug/l	99
16) Acetone	3.82	43	133633	85.755	ug/l #	82
17) Carbon Disulfide	4.04	76	187984	17.456	ug/l	99
18) Methyl Acetate	4.33	43	82360	23.712	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	256148	21.837	ug/l	94
20) Methylene Chloride	4.55	84	97097	21.137	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	87462	21.311	ug/l	85
22) Diisopropyl ether	5.96	45	347379	23.269	ug/l #	94
23) Vinyl Acetate	5.90	43	1213050	115.049	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	181408	22.568	ug/l	96
25) 2-Butanone	6.85	43	221944	111.183	ug/l	91
26) 2,2-Dichloropropane	6.82	77	116145	20.270	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	105218	21.494	ug/l	89
28) Bromochloromethane	7.19	49	93531	23.640	ug/l #	73
29) Tetrahydrofuran	7.22	42	152590	117.794	ug/l #	84
30) Chloroform	7.37	83	174736	22.275	ug/l	97
31) Cyclohexane	7.65	56	169728	20.957	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	142317	21.990	ug/l	95
36) 1,1-Dichloropropene	7.79	75	126698	19.472	ug/l	96
37) Ethyl Acetate	6.93	43	98227	21.225	ug/l #	93
38) Carbon Tetrachloride	7.77	117	121829	19.267	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	134887	18.122	ug/l #	85
40) Benzene	8.04	78	385881	20.739	ug/l	100
41) Methacrylonitrile	7.18	41	53829	19.072	ug/l	94
42) 1,2-Dichloroethane	8.13	62	139930	20.650	ug/l	97
43) Isopropyl Acetate	8.17	43	166908	21.355	ug/l #	92
44) Trichloroethene	8.83	130	100901	19.505	ug/l	92
45) 1,2-Dichloropropane	9.12	63	109973	22.011	ug/l	100
46) Dibromomethane	9.21	93	61431	20.610	ug/l	89
47) Bromodichloromethane	9.40	83	126235	20.407	ug/l	96
48) Methyl methacrylate	9.20	41	87451	20.615	ug/l #	86
49) 1,4-Dioxane	9.20	88	18193	383.618	ug/l #	79
51) 4-Methyl-2-Pentanone	9.99	43	474704	109.592	ug/l	93
52) Toluene	10.16	92	232958	20.356	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	113239	18.811	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	141501	19.950	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	86999	21.149	ug/l	96
56) Ethyl methacrylate	10.43	69	114063	20.658	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	152482	21.324	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	191866	84.389	ug/l	90
59) 2-Hexanone	10.75	43	297417	105.119	ug/l	91
60) Dibromochloromethane	10.90	129	86116	19.673	ug/l	100
61) 1,2-Dibromoethane	11.01	107	82119	20.192	ug/l	99
64) Tetrachloroethene	10.63	164	94701	18.738	ug/l	95
65) Chlorobenzene	11.43	112	243716	19.666	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	88287	19.848	ug/l	97
67) Ethyl Benzene	11.51	91	436170	19.925	ug/l	97
68) m/p-Xylenes	11.62	106	319208	38.497	ug/l	94
69) o-Xylene	11.95	106	160041	19.764	ug/l	98
70) Styrene	11.96	104	257330	19.569	ug/l	96
71) Bromoform	12.13	173	50257	17.881	ug/l #	99
73) Isopropylbenzene	12.25	105	418209	20.709	ug/l	99
74) N-amyl acetate	12.07	43	126405	21.769	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	102107	22.150	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	97149m	24.429	ug/l	
77) Bromobenzene	12.53	156	102358	20.437	ug/l	86
78) n-propylbenzene	12.59	91	449927	20.547	ug/l	97
79) 2-Chlorotoluene	12.67	91	282271	20.671	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	344618	20.822	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	19053	18.641	ug/l #	77
82) 4-Chlorotoluene	12.77	91	270100	20.406	ug/l	97
83) tert-Butylbenzene	12.99	119	299944	20.820	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	334675	20.608	ug/l	97
85) sec-Butylbenzene	13.17	105	366476	20.406	ug/l	97
86) p-Isopropyltoluene	13.29	119	319630	19.893	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	166499	20.061	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	158276	19.600	ug/l	96
89) n-Butylbenzene	13.61	91	243645	19.393	ug/l	98
90) Hexachloroethane	13.87	117	49797	19.967	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	164320	20.440	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15053	22.263	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	72644	18.127	ug/l	99
94) Hexachlorobutadiene	15.01	225	51074	21.258	ug/l	99
95) Naphthalene	15.13	128	171256	19.158	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	74853	18.767	ug/l	99

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

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