

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054790.D
 Acq On : 30 Mar 2019 00:09
 Operator : JC/SP
 Sample : VN0329WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sample ID :
 VN0329WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 3:58:58 PM

Quant Time: Mar 30 22:20:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	402927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	712042	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	610800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	260000	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	305883	56.32	ug/l	0.00
Spiked Amount						
			Recovery	=	112.64%	
35) Dibromofluoromethane	7.59	113	237951	50.13	ug/l	0.00
Spiked Amount						
			Recovery	=	100.26%	
50) Toluene-d8	10.09	98	886240	50.22	ug/l	0.00
Spiked Amount						
			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.40	95	292092	49.76	ug/l	0.00
Spiked Amount						
			Recovery	=	99.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	84169	20.652	ug/l	96
3) Chloromethane	2.06	50	124560	22.103	ug/l	99
4) Vinyl Chloride	2.19	62	110105	21.757	ug/l	99
5) Bromomethane	2.58	94	61824	22.045	ug/l	95
6) Chloroethane	2.71	64	58612	20.742	ug/l	96
7) Trichlorofluoromethane	3.02	101	133262	21.419	ug/l	98
8) Diethyl Ether	3.41	74	45387	22.655	ug/l	61
9) 1,1,2-Trichlorotrifluoroet	3.75	101	68258	20.841	ug/l	92
10) Methyl Iodide	3.94	142	101105	22.550	ug/l #	88
11) Tert butyl alcohol	4.82	59	36510	129.013	ug/l	98
12) 1,1-Dichloroethene	3.73	96	68906	21.756	ug/l #	73
13) Acrolein	3.61	56	30435	120.300	ug/l	98
14) Allyl chloride	4.32	41	163129	20.910	ug/l #	91
15) Acrylonitrile	5.00	53	191690	121.865	ug/l	100
16) Acetone	3.82	43	131759	101.726	ug/l #	79
17) Carbon Disulfide	4.04	76	200415	19.509	ug/l	100
18) Methyl Acetate	4.33	43	86456	25.170	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	256265	23.131	ug/l	94
20) Methylene Chloride	4.55	84	102358	22.404	ug/l #	83
21) trans-1,2-Dichloroethene	5.04	96	91055	21.887	ug/l #	83
22) Diisopropyl ether	5.96	45	351413	22.775	ug/l #	94
23) Vinyl Acetate	5.90	43	1256564	117.024	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	185901	22.586	ug/l	99
25) 2-Butanone	6.85	43	229260	119.743	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	100998	17.507	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	105826	22.518	ug/l	89
28) Bromochloromethane	7.20	49	97884	23.783	ug/l #	69
29) Tetrahydrofuran	7.22	42	161248	121.258	ug/l #	83
30) Chloroform	7.37	83	178755	22.776	ug/l	99
31) Cyclohexane	7.65	56	174885	22.172	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	145489	22.369	ug/l	95
36) 1,1-Dichloropropene	7.79	75	129668	19.543	ug/l	96
37) Ethyl Acetate	6.94	43	106281	21.844	ug/l #	95
38) Carbon Tetrachloride	7.77	117	127458	19.779	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	138542	18.993	ug/l #	87
40) Benzene	8.04	78	398796	21.006	ug/l	97
41) Methacrylonitrile	7.18	41	59389	21.729	ug/l	91
42) 1,2-Dichloroethane	8.13	62	146224	21.571	ug/l	96
43) Isopropyl Acetate	8.17	43	185193	23.425	ug/l #	92
44) Trichloroethene	8.83	130	100447	20.382	ug/l	94
45) 1,2-Dichloropropane	9.12	63	114454	21.143	ug/l	97
46) Dibromomethane	9.21	93	65136	21.389	ug/l	88
47) Bromodichloromethane	9.40	83	134164	21.199	ug/l	93
48) Methyl methacrylate	9.20	41	91511	21.354	ug/l #	86
49) 1,4-Dioxane	9.20	88	19655	462.232	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	506843	114.030	ug/l	93
52) Toluene	10.16	92	243618	21.565	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	115833	19.457	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	145058	20.397	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	89081	21.207	ug/l	95
56) Ethyl methacrylate	10.43	69	118206	21.452	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	155768	21.570	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	224638	101.075	ug/l #	87
59) 2-Hexanone	10.75	43	315171	110.765	ug/l	89
60) Dibromochloromethane	10.90	129	88364	20.767	ug/l	100
61) 1,2-Dibromoethane	11.01	107	85843	21.385	ug/l	99
64) Tetrachloroethene	10.63	164	97125	20.722	ug/l	96
65) Chlorobenzene	11.44	112	248908	20.814	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	90050	20.118	ug/l	95
67) Ethyl Benzene	11.51	91	439934	20.386	ug/l	100
68) m/p-Xylenes	11.62	106	325996	40.821	ug/l	93
69) o-Xylene	11.95	106	160400	20.482	ug/l	96
70) Styrene	11.96	104	265488	21.203	ug/l	97
71) Bromoform	12.13	173	52446	20.000	ug/l #	99
73) Isopropylbenzene	12.25	105	429510	20.211	ug/l	97
74) N-amyl acetate	12.07	43	142062	21.457	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.50	83	110104	22.563	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	99093m	21.939	ug/l	
77) Bromobenzene	12.53	156	105863	20.640	ug/l	87
78) n-propylbenzene	12.59	91	468358	20.052	ug/l	96
79) 2-Chlorotoluene	12.67	91	290356	20.093	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	345193	19.796	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	20079	17.291	ug/l #	74
82) 4-Chlorotoluene	12.77	91	280059	19.953	ug/l	96
83) tert-Butylbenzene	12.99	119	301769	21.130	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	342373	20.609	ug/l	97
85) sec-Butylbenzene	13.17	105	376395	19.870	ug/l	97
86) p-Isopropyltoluene	13.29	119	328491	19.662	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	171287	19.947	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	160387	19.043	ug/l	96
89) n-Butylbenzene	13.61	91	253094	18.567	ug/l	97
90) Hexachloroethane	13.87	117	52621	18.551	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	172690	19.927	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15659	21.554	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	76855	18.395	ug/l	96
94) Hexachlorobutadiene	15.01	225	49721	18.781	ug/l	98
95) Naphthalene	15.13	128	178454	19.044	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	80917	19.177	ug/l	98

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

