

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054610.D
 Acq On : 23 Mar 2019 17:49
 Operator : JC/SP
 Sample : VN0323WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 10:23:49 AM

Quant Time: Mar 25 04:26:30 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	414350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	707619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	599149	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	248652	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	299742	58.16	ug/l	0.00
Spiked Amount						
			Recovery	=	116.32%	
35) Dibromofluoromethane	7.59	113	235894	51.74	ug/l	0.00
Spiked Amount						
			Recovery	=	103.48%	
50) Toluene-d8	10.09	98	861861	50.29	ug/l	0.00
Spiked Amount						
			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.40	95	283966	48.69	ug/l	0.00
Spiked Amount						
			Recovery	=	97.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	84717	21.387	ug/l	99
3) Chloromethane	2.06	50	119616	22.195	ug/l	99
4) Vinyl Chloride	2.19	62	114175	21.101	ug/l	100
5) Bromomethane	2.58	94	63935	18.273	ug/l	94
6) Chloroethane	2.71	64	65660	20.231	ug/l	96
7) Trichlorofluoromethane	3.03	101	137502	20.925	ug/l	98
8) Diethyl Ether	3.41	74	46817	18.525	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	72482	18.769	ug/l	94
10) Methyl Iodide	3.94	142	106049	18.668	ug/l #	90
11) Tert butyl alcohol	4.82	59	36695	117.602	ug/l #	93
12) 1,1-Dichloroethene	3.73	96	72895	18.239	ug/l #	76
13) Acrolein	3.61	56	7823	18.168	ug/l	90
14) Allyl chloride	4.32	41	168049	22.330	ug/l #	92
15) Acrylonitrile	5.00	53	177862	114.465	ug/l	99
16) Acetone	3.82	43	135107	87.193	ug/l #	85
17) Carbon Disulfide	4.04	76	213616	19.948	ug/l	100
18) Methyl Acetate	4.33	43	87598	25.364	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	257742	22.098	ug/l	94
20) Methylene Chloride	4.55	84	100060	21.906	ug/l #	85
21) trans-1,2-Dichloroethene	5.04	96	91501	22.422	ug/l	86
22) Diisopropyl ether	5.96	45	348208	23.457	ug/l #	93
23) Vinyl Acetate	5.90	43	1261979	120.370	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	186153	23.290	ug/l	98
25) 2-Butanone	6.85	43	219513	110.591	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	115719	20.310	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	107038	21.990	ug/l	86
28) Bromochloromethane	7.19	49	90427	22.985	ug/l #	70
29) Tetrahydrofuran	7.22	42	154478	119.929	ug/l #	83
30) Chloroform	7.37	83	177495	22.755	ug/l	99
31) Cyclohexane	7.65	56	170752	21.226	ug/l	89
32) 1,1,1-Trichloroethane	7.57	97	148713	23.109	ug/l	95
36) 1,1-Dichloropropene	7.79	75	131484	19.873	ug/l	96
37) Ethyl Acetate	6.94	43	105236	22.363	ug/l #	93
38) Carbon Tetrachloride	7.77	117	128669	20.012	ug/l	98

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

39) Methylcyclohexane	9.08	83	136034	17.974	ug/l #	88
40) Benzene	8.04	78	394524	20.853	ug/l	98
41) Methacrylonitrile	7.18	41	56035	19.526	ug/l	92
42) 1,2-Dichloroethane	8.12	62	143979	20.896	ug/l	97
43) Isopropyl Acetate	8.17	43	193971	24.407	ug/l #	90
44) Trichloroethene	8.83	130	102372	19.462	ug/l	96
45) 1,2-Dichloropropane	9.12	63	110323	21.716	ug/l	99
46) Dibromomethane	9.21	93	64583	21.309	ug/l	87
47) Bromodichloromethane	9.40	83	135456	21.535	ug/l	100
48) Methyl methacrylate	9.20	41	89903	20.842	ug/l	87
49) 1,4-Dioxane	9.21	88	19138	396.868	ug/l #	77
51) 4-Methyl-2-Pentanone	9.99	43	483070	109.678	ug/l	92
52) Toluene	10.16	92	232848	20.010	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	121815	19.771	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	152329	21.121	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	88472	21.151	ug/l	96
56) Ethyl methacrylate	10.43	69	118521	21.111	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	154696	21.275	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	211327	91.411	ug/l	89
59) 2-Hexanone	10.75	43	305803	106.295	ug/l	90
60) Dibromochloromethane	10.90	129	92517	20.786	ug/l	100
61) 1,2-Dibromoethane	11.01	107	83313	20.147	ug/l	98
64) Tetrachloroethene	10.63	164	89888	18.087	ug/l	95
65) Chlorobenzene	11.43	112	242956	19.937	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	91250	20.862	ug/l	97
67) Ethyl Benzene	11.51	91	433362	20.132	ug/l	98
68) m/p-Xylenes	11.62	106	315478	38.693	ug/l	92
69) o-Xylene	11.95	106	158816	19.945	ug/l	94
70) Styrene	11.96	104	260367	20.135	ug/l	97
71) Bromoform	12.13	173	53449	19.158	ug/l #	98
73) Isopropylbenzene	12.25	105	417454	20.834	ug/l	97
74) N-amyl acetate	12.07	43	133538	23.178	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	113567	24.829	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	92671m	23.486	ug/l	
77) Bromobenzene	12.53	156	101985	20.523	ug/l	83
78) n-propylbenzene	12.59	91	449722	20.699	ug/l	97
79) 2-Chlorotoluene	12.67	91	281221	20.756	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	335190	20.411	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	22919	21.926	ug/l	86
82) 4-Chlorotoluene	12.77	91	273665	20.838	ug/l	96
83) tert-Butylbenzene	12.99	119	293243	20.514	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	330802	20.529	ug/l	98
85) sec-Butylbenzene	13.17	105	361946	20.312	ug/l	96
86) p-Isopropyltoluene	13.29	119	318527	19.980	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	165547	20.103	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	159964	19.964	ug/l	97
89) n-Butylbenzene	13.61	91	235826	18.918	ug/l	98
90) Hexachloroethane	13.87	117	52675	21.286	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	166518	20.876	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15727	23.442	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	71009	17.858	ug/l	97
94) Hexachlorobutadiene	15.01	225	45991	19.052	ug/l	99
95) Naphthalene	15.13	128	167672	18.905	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	72501	18.320	ug/l	97

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

