

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042719\
 Data File : VN055276.D
 Acq On : 26 Apr 2019 15:16
 Operator : JC/SP
 Sample : VN0427WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/29/2019 10:57:06 AM

Quant Time: Apr 27 03:21:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	385643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	635318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	531611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	193013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	281378	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
35) Dibromofluoromethane	7.59	113	217099	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	10.09	98	789101	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.40	95	242864	47.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	105693	21.286	ug/l	100
3) Chloromethane	2.06	50	123865	20.358	ug/l	98
4) Vinyl Chloride	2.19	62	99601	20.430	ug/l	96
5) Bromomethane	2.56	94	52682	18.633	ug/l	97
6) Chloroethane	2.70	64	52262	20.339	ug/l	95
7) Trichlorofluoromethane	3.02	101	134738	20.309	ug/l	99
8) Diethyl Ether	3.41	74	52995	22.379	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	83186	20.093	ug/l	98
10) Methyl Iodide	3.95	142	119867	20.647	ug/l	99
11) Tert butyl alcohol	4.79	59	36962	121.291	ug/l #	82
12) 1,1-Dichloroethene	3.74	96	81477	20.536	ug/l	98
13) Acrolein	3.61	56	46464	107.353	ug/l	99
14) Allyl chloride	4.33	41	167336	21.334	ug/l	99
15) Acrylonitrile	4.99	53	197361	118.091	ug/l	99
16) Acetone	3.82	43	152501	88.378	ug/l	99
17) Carbon Disulfide	4.06	76	214760	19.362	ug/l	100
18) Methyl Acetate	4.33	43	91139	23.993	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	246707	22.490	ug/l	99
20) Methylene Chloride	4.55	84	99728	20.104	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	86772	20.856	ug/l	98
22) Diisopropyl ether	5.96	45	341590	21.848	ug/l	97
23) Vinyl Acetate	5.90	43	1204806	114.674	ug/l	99
24) 1,1-Dichloroethane	5.85	63	178588	21.236	ug/l	99
25) 2-Butanone	6.84	43	234227	105.140	ug/l	97
26) 2,2-Dichloropropane	6.83	77	109343	19.214	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	99270	20.698	ug/l	97
28) Bromochloromethane	7.20	49	87955	20.518	ug/l	97
29) Tetrahydrofuran	7.21	42	167911	122.587	ug/l	96
30) Chloroform	7.37	83	169219	21.154	ug/l	99
31) Cyclohexane	7.65	56	164310	20.091	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	137164	21.343	ug/l	99
36) 1,1-Dichloropropene	7.80	75	119211	20.216	ug/l	97
37) Ethyl Acetate	6.93	43	105223	22.111	ug/l	98
38) Carbon Tetrachloride	7.78	117	114908	20.809	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	124764	17.735	ug/l	98
40) Benzene	8.04	78	374125	20.553	ug/l	99
41) Methacrylonitrile	7.19	41	64010m	25.656	ug/l	
42) 1,2-Dichloroethane	8.13	62	133407	21.008	ug/l	99
43) Isopropyl Acetate	8.17	43	176461	22.899	ug/l	99
44) Trichloroethene	8.84	130	92265	20.054	ug/l	96
45) 1,2-Dichloropropane	9.12	63	106563	20.739	ug/l	97
46) Dibromomethane	9.21	93	60452	20.552	ug/l	99
47) Bromodichloromethane	9.40	83	124908	21.213	ug/l	97
48) Methyl methacrylate	9.20	41	84497	22.604	ug/l	97
49) 1,4-Dioxane	9.20	88	19276	446.531	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	503727	113.596	ug/l	100
52) Toluene	10.16	92	219480	20.568	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	111652	20.662	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	138636	20.674	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	84207	21.404	ug/l	97
56) Ethyl methacrylate	10.43	69	107734	21.982	ug/l	99
57) 1,3-Dichloropropane	10.71	76	146892	21.460	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	136307	80.204	ug/l	97
59) 2-Hexanone	10.75	43	310282	110.777	ug/l	99
60) Dibromochloromethane	10.90	129	86572	21.364	ug/l	97
61) 1,2-Dibromoethane	11.01	107	78461	21.212	ug/l	99
64) Tetrachloroethene	10.63	164	89499	20.637	ug/l	97
65) Chlorobenzene	11.43	112	219974	20.273	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	82710	20.566	ug/l	100
67) Ethyl Benzene	11.51	91	397319	20.556	ug/l	98
68) m/p-Xylenes	11.62	106	280258	40.427	ug/l	99
69) o-Xylene	11.95	106	140744	20.458	ug/l	99
70) Styrene	11.96	104	225216	21.119	ug/l	99
71) Bromoform	12.13	173	51064	21.278	ug/l #	99
73) Isopropylbenzene	12.25	105	367375	22.445	ug/l	99
74) N-amyl acetate	12.07	43	111659	22.438	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	104212	25.346	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	83732m	21.384	ug/l	
77) Bromobenzene	12.53	156	88008	20.654	ug/l	97
78) n-propylbenzene	12.59	91	390364	20.167	ug/l	99
79) 2-Chlorotoluene	12.67	91	249540	20.416	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	297212	20.570	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22154	21.447	ug/l	98
82) 4-Chlorotoluene	12.77	91	225883	20.086	ug/l	99
83) tert-Butylbenzene	12.99	119	254426	22.212	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	273407	20.052	ug/l	99
85) sec-Butylbenzene	13.17	105	316777	19.379	ug/l	98
86) p-Isopropyltoluene	13.29	119	259539	19.272	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	133219	20.366	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	124302	19.519	ug/l	98
89) n-Butylbenzene	13.62	91	176231	17.655	ug/l	99
90) Hexachloroethane	13.87	117	44581	18.665	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	133210	19.827	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12348	21.068	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	37962	15.380	ug/l	96
94) Hexachlorobutadiene	15.01	225	40786	19.437	ug/l	98
95) Naphthalene	15.13	128	90540	16.993	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	42902	16.696	ug/l	99

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

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