

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062619\
 Data File : VN056505.D
 Acq On : 26 Jun 2019 14:47
 Operator : JC/SP
 Sample : VN0626WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/29/2019 7:22:51 AM

Quant Time: Jun 27 08:37:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	355720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	560804	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	485396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	176080	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	195435	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
35) Dibromofluoromethane	7.59	113	169697	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
50) Toluene-d8	10.09	98	639678	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
62) 4-Bromofluorobenzene	12.40	95	204407	45.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	55093	18.291	ug/l	97
3) Chloromethane	2.06	50	73504	17.922	ug/l	100
4) Vinyl Chloride	2.18	62	74202	18.732	ug/l	99
5) Bromomethane	2.53	94	46261m	19.921	ug/l	
6) Chloroethane	2.68	64	43856	19.118	ug/l	98
7) Trichlorofluoromethane	3.00	101	99293	19.378	ug/l	100
8) Diethyl Ether	3.41	74	42476	19.587	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	62265	19.055	ug/l	99
10) Methyl Iodide	3.94	142	80963	18.332	ug/l	99
11) Tert butyl alcohol	4.80	59	75821	114.186	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	58710	18.683	ug/l	97
13) Acrolein	3.61	56	34311	61.309	ug/l	96
14) Allyl chloride	4.32	41	100998	19.308	ug/l	99
15) Acrylonitrile	4.99	53	189796	103.319	ug/l	99
16) Acetone	3.82	43	163343	82.695	ug/l	97
17) Carbon Disulfide	4.05	76	113439	15.872	ug/l	100
18) Methyl Acetate	4.33	43	83245	21.015	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	209048	20.105	ug/l	99
20) Methylene Chloride	4.55	84	74106	19.356	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	63081	18.619	ug/l	98
22) Diisopropyl ether	5.95	45	221998	20.208	ug/l	97
23) Vinyl Acetate	5.90	43	893204	103.085	ug/l	100
24) 1,1-Dichloroethane	5.85	63	126138	20.003	ug/l	100
25) 2-Butanone	6.84	43	248400	95.018	ug/l	99
26) 2,2-Dichloropropane	6.82	77	80292	18.307	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	78733	19.863	ug/l	99
28) Bromochloromethane	7.19	49	57384	18.397	ug/l	97
29) Tetrahydrofuran	7.21	42	164879	103.206	ug/l	100
30) Chloroform	7.37	83	126691	20.360	ug/l	98
31) Cyclohexane	7.65	56	110756	18.193	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	99267	20.126	ug/l	99
36) 1,1-Dichloropropene	7.79	75	87994	17.827	ug/l	100
37) Ethyl Acetate	6.93	43	98117	20.227	ug/l	99
38) Carbon Tetrachloride	7.77	117	82125	19.026	ug/l	99

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

39) Methylcyclohexane	9.08	83	102414	16.815	ug/l	98
40) Benzene	8.04	78	286789	18.888	ug/l	100
41) Methacrylonitrile	7.19	41	52720m	24.612	ug/l	
42) 1,2-Dichloroethane	8.12	62	97255	19.409	ug/l	99
43) Isopropyl Acetate	8.17	43	148162	19.808	ug/l	100
44) Trichloroethene	8.83	130	75781	18.528	ug/l	99
45) 1,2-Dichloropropane	9.12	63	80415	19.804	ug/l	97
46) Dibromomethane	9.21	93	50552	19.899	ug/l	99
47) Bromodichloromethane	9.40	83	89455	19.854	ug/l	99
48) Methyl methacrylate	9.20	41	73926	19.722	ug/l	97
49) 1,4-Dioxane	9.20	88	30652	394.053	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	474989	98.386	ug/l	100
52) Toluene	10.16	92	173692	18.711	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	87106	18.530	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	105196	19.388	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	74155	19.874	ug/l	98
56) Ethyl methacrylate	10.43	69	105788	19.400	ug/l	99
57) 1,3-Dichloropropane	10.71	76	124074	19.794	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	148198	75.650	ug/l	99
59) 2-Hexanone	10.75	43	340975	96.096	ug/l	99
60) Dibromochloromethane	10.90	129	68034	19.276	ug/l	99
61) 1,2-Dibromoethane	11.00	107	75744	19.876	ug/l	100
64) Tetrachloroethene	10.63	164	75709	19.696	ug/l	97
65) Chlorobenzene	11.43	112	186707	19.143	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	67108	20.358	ug/l	98
67) Ethyl Benzene	11.51	91	322407	18.826	ug/l	99
68) m/p-Xylenes	11.62	106	236746	37.722	ug/l	98
69) o-Xylene	11.95	106	120270	19.370	ug/l	97
70) Styrene	11.96	104	190665	19.211	ug/l	99
71) Bromoform	12.13	173	44721	18.902	ug/l #	99
73) Isopropylbenzene	12.25	105	315795	22.394	ug/l	99
74) N-amyl acetate	12.07	43	116261	20.746	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	103056	23.544	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	87940m	24.086	ug/l	
77) Bromobenzene	12.52	156	81390	20.672	ug/l	97
78) n-propylbenzene	12.59	91	319272	19.800	ug/l	100
79) 2-Chlorotoluene	12.67	91	204980	21.754	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	251220	21.377	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20710	20.160	ug/l	94
82) 4-Chlorotoluene	12.77	91	185131	19.445	ug/l	98
83) tert-Butylbenzene	12.99	119	229102	22.191	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	232880	19.646	ug/l	100
85) sec-Butylbenzene	13.17	105	283632	20.013	ug/l	100
86) p-Isopropyltoluene	13.29	119	235166	19.334	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	114995	19.273	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	108289	18.740	ug/l	99
89) n-Butylbenzene	13.61	91	153809	16.704	ug/l	100
90) Hexachloroethane	13.87	117	39797	20.987	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	118707	20.053	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13043	20.019	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	34131	15.443	ug/l	98
94) Hexachlorobutadiene	15.01	225	43288	20.469	ug/l	99
95) Naphthalene	15.13	128	98591	16.198	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	40842	16.121	ug/l	99

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

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