

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN072618\
 Data File : VN050101.D
 Acq On : 26 Jul 2018 23:56
 Operator : MD\SY
 Sample : VN0726WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBSD02

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 12:16:30 PM

Quant Time: Jul 27 04:16:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	638544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	979150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	881973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	434649	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	442611	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	7.59	113	388660	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
50) Toluene-d8	10.09	98	1435022	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.40	95	469637	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	187910	20.48	ug/l	99
3) Chloromethane	2.06	50	186011	18.65	ug/l	100
4) Vinyl Chloride	2.18	62	197193	18.78	ug/l	98
5) Bromomethane	2.56	94	85142	13.87	ug/l	100
6) Chloroethane	2.70	64	117064	18.56	ug/l	99
7) Trichlorofluoromethane	3.01	101	256891	18.88	ug/l	98
8) Diethyl Ether	3.41	74	89833	19.81	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	152432	18.63	ug/l	99
10) Methyl Iodide	3.95	142	113530	10.81	ug/l	97
11) Tert butyl alcohol	4.80	59	63779	97.30	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	141599	19.24	ug/l	98
13) Acrolein	3.61	56	27453	52.12	ug/l	99
14) Allyl chloride	4.32	41	216593	18.98	ug/l	99
15) Acrylonitrile	5.00	53	274521	95.99	ug/l	99
16) Acetone	3.82	43	204997	94.99	ug/l	98
17) Carbon Disulfide	4.05	76	403750	17.91	ug/l	100
18) Methyl Acetate	4.33	43	186120	21.89	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	402474	20.52	ug/l	98
20) Methylene Chloride	4.55	84	163247	19.91	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	150567	19.31	ug/l	97
22) Diisopropyl ether	5.96	45	471915	20.86	ug/l	95
23) Vinyl Acetate	5.90	43	1567347	98.02	ug/l	100
24) 1,1-Dichloroethane	5.85	63	289774	19.58	ug/l	99
25) 2-Butanone	6.85	43	320955	94.45	ug/l	99
26) 2,2-Dichloropropane	6.83	77	167884	14.91	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	169912	20.24	ug/l	97
28) Bromochloromethane	7.20	49	135472	20.07	ug/l	98
29) Tetrahydrofuran	7.22	42	214056	97.48	ug/l	99
30) Chloroform	7.37	83	293369	19.43	ug/l	99
31) Cyclohexane	7.66	56	236361	19.22	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	251060	19.44	ug/l	100
36) 1,1-Dichloropropene	7.80	75	215633	19.55	ug/l	99
37) Ethyl Acetate	6.94	43	148894	19.36	ug/l	99
38) Carbon Tetrachloride	7.78	117	217927	18.62	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.09	83	212531	18.73	ug/l	99
40) Benzene	8.05	78	653896	19.48	ug/l	99
41) Methacrylonitrile	7.18	41	76197	20.72	ug/l #	79
42) 1,2-Dichloroethane	8.13	62	213330	19.05	ug/l	100
43) Isopropyl Acetate	8.17	43	296993	19.80	ug/l #	92
44) Trichloroethene	8.84	130	170697	18.92	ug/l	98
45) 1,2-Dichloropropane	9.12	63	171700	19.31	ug/l	99
46) Dibromomethane	9.21	93	106665	19.32	ug/l	99
47) Bromodichloromethane	9.41	83	219668	18.85	ug/l	98
48) Methyl methacrylate	9.20	41	128870	19.46	ug/l	98
49) 1,4-Dioxane	9.20	88	34906	387.22	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	737793	97.58	ug/l	100
52) Toluene	10.16	92	399349	20.15	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	206803	18.81	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	238894	19.01	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	150738	19.18	ug/l	99
56) Ethyl methacrylate	10.43	69	186515	18.84	ug/l	99
57) 1,3-Dichloropropane	10.71	76	249393	19.49	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	427549	91.55	ug/l	100
59) 2-Hexanone	10.75	43	486134	90.86	ug/l	99
60) Dibromochloromethane	10.90	129	166099	19.09	ug/l	98
61) 1,2-Dibromoethane	11.01	107	149153	19.13	ug/l	100
64) Tetrachloroethene	10.63	164	168878	19.92	ug/l	98
65) Chlorobenzene	11.44	112	428404	19.23	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	160624	18.76	ug/l	98
67) Ethyl Benzene	11.51	91	711167	19.87	ug/l	99
68) m/p-Xylenes	11.62	106	556881	41.14	ug/l	99
69) o-Xylene	11.95	106	268829	20.83	ug/l	98
70) Styrene	11.97	104	422028	18.97	ug/l	99
71) Bromoform	12.13	173	117102	18.81	ug/l #	99
73) Isopropylbenzene	12.25	105	703699	20.88	ug/l	99
74) N-amyl acetate	12.07	43	200078	19.42	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	193152	20.41	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	154940m	19.18	ug/l	
77) Bromobenzene	12.53	156	184078	19.70	ug/l	99
78) n-propylbenzene	12.59	91	795229	21.11	ug/l	99
79) 2-Chlorotoluene	12.68	91	486260	20.82	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	579945	21.87	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	43321	17.01	ug/l	94
82) 4-Chlorotoluene	12.78	91	476973	20.62	ug/l	99
83) tert-Butylbenzene	13.00	119	497640	21.51	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	589704	22.06	ug/l	100
85) sec-Butylbenzene	13.17	105	656579	21.24	ug/l	100
86) p-Isopropyltoluene	13.29	119	561900	21.57	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	315404	19.91	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	300318	19.45	ug/l	99
89) n-Butylbenzene	13.62	91	435741	20.34	ug/l	98
90) Hexachloroethane	13.88	117	107273	18.54	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	311869	19.70	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30583	19.87	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	139232	18.64	ug/l	98
94) Hexachlorobutadiene	15.01	225	93860	19.37	ug/l	99
95) Naphthalene	15.14	128	310044	18.66	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	146881	19.37	ug/l	99

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

