

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050420\
 Data File : VN061270.D
 Acq On : 4 May 2020 12:00
 Operator : JC/MD
 Sample : VN0504WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0504WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 11:36:11 AM

Quant Time: May 05 04:22:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	118481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	200863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	186630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	87694	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	101339	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
35) Dibromofluoromethane	7.54	113	59789	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.06	98	269558	55.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.34%	
62) 4-Bromofluorobenzene	12.37	95	98973	54.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	25248	20.096	ug/l	100
3) Chloromethane	2.03	50	34941	22.963	ug/l	100
4) Vinyl Chloride	2.16	62	38343	22.185	ug/l	99
5) Bromomethane	2.54	94	16134	18.885	ug/l	97
6) Chloroethane	2.67	64	22767	20.783	ug/l	100
7) Trichlorofluoromethane	2.98	101	46744	23.973	ug/l	100
8) Diethyl Ether	3.37	74	18626	22.901	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	27546	21.928	ug/l	99
10) Methyl Iodide	3.91	142	29600	18.335	ug/l	99
11) Tert butyl alcohol	4.72	59	29420	117.148	ug/l	99
12) 1,1-Dichloroethene	3.69	96	25613	20.489	ug/l	96
13) Acrolein	3.56	56	13797	82.440	ug/l	96
14) Allyl chloride	4.27	41	55671	24.018	ug/l	98
15) Acrylonitrile	4.92	53	84139	109.141	ug/l	99
16) Acetone	3.77	43	76901	102.810	ug/l	98
17) Carbon Disulfide	4.00	76	62495	18.098	ug/l	100
18) Methyl Acetate	4.27	43	45408	19.606	ug/l	98
19) Methyl tert-butyl Ether	4.98	73	100020	20.939	ug/l	100
20) Methylene Chloride	4.49	84	30965	21.182	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	28351	20.828	ug/l	99
22) Diisopropyl ether	5.90	45	116307	21.639	ug/l	99
23) Vinyl Acetate	5.83	43	456938	105.583	ug/l	100
24) 1,1-Dichloroethane	5.79	63	59468	21.176	ug/l	99
25) 2-Butanone	6.78	43	118607	106.917	ug/l	100
26) 2,2-Dichloropropane	6.77	77	52165	22.053	ug/l	98
27) cis-1,2-Dichloroethene	6.77	96	32709	20.476	ug/l	99
28) Bromochloromethane	7.15	49	31711	23.824	ug/l	97
29) Tetrahydrofuran	7.16	42	79103	105.855	ug/l	99
30) Chloroform	7.32	83	58128	20.425	ug/l	99
31) Cyclohexane	7.61	56	52658	19.308	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	50096	20.215	ug/l	99
36) 1,1-Dichloropropene	7.75	75	42642	21.207	ug/l	99
37) Ethyl Acetate	6.88	43	50613	21.471	ug/l	100
38) Carbon Tetrachloride	7.73	117	37034	21.550	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	46280	20.524	ug/l	97
40) Benzene	8.00	78	126319	21.087	ug/l	99
41) Methacrylonitrile	7.12	41	21537m	22.005	ug/l	
42) 1,2-Dichloroethane	8.08	62	48898	21.547	ug/l	98
43) Isopropyl Acetate	8.12	43	81903	20.936	ug/l	100
44) Trichloroethene	8.80	130	31550	19.483	ug/l	99
45) 1,2-Dichloropropane	9.08	63	34111	21.314	ug/l	98
46) Dibromomethane	9.17	93	20889	21.080	ug/l	98
47) Bromodichloromethane	9.36	83	45239	21.270	ug/l	99
48) Methyl methacrylate	9.17	41	36407	20.623	ug/l	98
49) 1,4-Dioxane	9.16	88	10375	517.743	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	250406	108.743	ug/l	99
52) Toluene	10.12	92	76511	21.205	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	50264	20.973	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	52830	20.851	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	30290	21.046	ug/l	97
56) Ethyl methacrylate	10.40	69	45843	20.009	ug/l	98
57) 1,3-Dichloropropane	10.68	76	53691	21.223	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	112865	96.882	ug/l	100
59) 2-Hexanone	10.72	43	179794	107.321	ug/l	99
60) Dibromochloromethane	10.87	129	31197	20.696	ug/l	98
61) 1,2-Dibromoethane	10.98	107	29486	20.441	ug/l	99
64) Tetrachloroethene	10.60	164	31842	19.699	ug/l	96
65) Chlorobenzene	11.41	112	77522	20.940	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	28354	21.399	ug/l	100
67) Ethyl Benzene	11.48	91	144258	20.816	ug/l	100
68) m/p-Xylenes	11.59	106	106647	42.042	ug/l	99
69) o-Xylene	11.92	106	49987	20.514	ug/l	99
70) Styrene	11.94	104	83656	20.513	ug/l	99
71) Bromoform	12.10	173	20257	20.802	ug/l #	98
73) Isopropylbenzene	12.22	105	136876	21.232	ug/l	100
74) N-amyl acetate	12.04	43	68101	20.861	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	44468	22.121	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	42788m	23.143	ug/l	
77) Bromobenzene	12.50	156	31721	21.315	ug/l	97
78) n-propylbenzene	12.56	91	165155	21.598	ug/l	100
79) 2-Chlorotoluene	12.65	91	96809	21.539	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	115067	21.565	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	15430	21.194	ug/l	99
82) 4-Chlorotoluene	12.75	91	102823	21.706	ug/l	99
83) tert-Butylbenzene	12.97	119	95513	21.229	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	116889	21.263	ug/l	100
85) sec-Butylbenzene	13.15	105	131908	21.504	ug/l	100
86) p-Isopropyltoluene	13.26	119	118836	21.502	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	58597	21.388	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	58381	20.856	ug/l	98
89) n-Butylbenzene	13.59	91	107285	21.175	ug/l	99
90) Hexachloroethane	13.85	117	12568	26.103	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	55912	21.284	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	8763	20.640	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	32625	20.395	ug/l	100
94) Hexachlorobutadiene	14.99	225	15221	22.776	ug/l	97
95) Naphthalene	15.11	128	98456	18.899	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	32191	20.383	ug/l	99

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

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