

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061249.D
 Acq On : 2 May 2020 3:37
 Operator : JC/MD
 Sample : VN0501WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:58:12 PM

Quant Time: May 04 07:29:44 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	114796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	197192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	183205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	86234	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	87228	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
35) Dibromofluoromethane	7.54	113	49647	42.58	ug/l	0.00
Spiked Amount			Recovery	=	85.16%	
50) Toluene-d8	10.06	98	233274	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.37	95	84696	47.35	ug/l	0.00
Spiked Amount			Recovery	=	94.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	22695	18.643	ug/l	99
3) Chloromethane	2.03	50	31435	21.322	ug/l	99
4) Vinyl Chloride	2.16	62	33803	20.186	ug/l	99
5) Bromomethane	2.54	94	14353	17.340	ug/l	98
6) Chloroethane	2.67	64	19712	18.572	ug/l	98
7) Trichlorofluoromethane	2.98	101	39698	21.013	ug/l	97
8) Diethyl Ether	3.36	74	16595	21.059	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.71	101	23706	19.477	ug/l	99
10) Methyl Iodide	3.90	142	26012	16.630	ug/l	99
11) Tert butyl alcohol	4.72	59	24521	100.775	ug/l #	85
12) 1,1-Dichloroethene	3.69	96	22849	18.865	ug/l	99
13) Acrolein	3.56	56	10142	62.546	ug/l	97
14) Allyl chloride	4.27	41	45408	20.219	ug/l	99
15) Acrylonitrile	4.92	53	73011	97.747	ug/l	99
16) Acetone	3.77	43	68463	94.009	ug/l	100
17) Carbon Disulfide	4.00	76	58159	17.383	ug/l	99
18) Methyl Acetate	4.27	43	40601	18.146	ug/l	97
19) Methyl tert-butyl Ether	4.98	73	86283	18.643	ug/l	99
20) Methylene Chloride	4.49	84	26763	18.895	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	25279	19.167	ug/l	97
22) Diisopropyl ether	5.89	45	103986	19.968	ug/l	98
23) Vinyl Acetate	5.83	43	394679	94.124	ug/l	100
24) 1,1-Dichloroethane	5.79	63	52350	19.240	ug/l	98
25) 2-Butanone	6.78	43	100229	93.250	ug/l	99
26) 2,2-Dichloropropane	6.77	77	34031	14.849	ug/l	98
27) cis-1,2-Dichloroethene	6.77	96	28638	18.503	ug/l	99
28) Bromochloromethane	7.14	49	24793	19.224	ug/l	96
29) Tetrahydrofuran	7.16	42	69657	96.207	ug/l	97
30) Chloroform	7.32	83	50244	18.222	ug/l	100
31) Cyclohexane	7.61	56	46660	17.658	ug/l	97
32) 1,1,1-Trichloroethane	7.52	97	42931	17.880	ug/l	99
36) 1,1-Dichloropropene	7.75	75	37023	18.755	ug/l	100
37) Ethyl Acetate	6.87	43	43658	18.865	ug/l	99
38) Carbon Tetrachloride	7.73	117	31867	19.171	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	38965	17.601	ug/l	96
40) Benzene	8.00	78	112580	19.143	ug/l	99
41) Methacrylonitrile	7.12	41	20502	21.338	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	42095	18.894	ug/l	99
43) Isopropyl Acetate	8.12	43	70933	18.469	ug/l	99
44) Trichloroethene	8.80	130	27273	17.155	ug/l	99
45) 1,2-Dichloropropane	9.08	63	30894	19.663	ug/l	97
46) Dibromomethane	9.17	93	18401	18.915	ug/l	99
47) Bromodichloromethane	9.36	83	39484	18.910	ug/l	97
48) Methyl methacrylate	9.16	41	31688	18.284	ug/l	98
49) 1,4-Dioxane	9.16	88	7703	391.558	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	215090	95.145	ug/l	99
52) Toluene	10.12	92	66630	18.810	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	41856	17.790	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	45521	18.301	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	25972	18.382	ug/l	96
56) Ethyl methacrylate	10.40	69	39521	17.903	ug/l	98
57) 1,3-Dichloropropane	10.68	76	47406	19.088	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	105362	92.125	ug/l	98
59) 2-Hexanone	10.72	43	152846	92.934	ug/l	99
60) Dibromochloromethane	10.87	129	26930	18.198	ug/l	99
61) 1,2-Dibromoethane	10.98	107	25774	18.200	ug/l	98
64) Tetrachloroethene	10.60	164	27189	17.135	ug/l	99
65) Chlorobenzene	11.40	112	67198	18.491	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	24312	18.691	ug/l	99
67) Ethyl Benzene	11.48	91	125986	18.519	ug/l	99
68) m/p-Xylenes	11.59	106	91784	36.859	ug/l	98
69) o-Xylene	11.92	106	43302	18.103	ug/l	98
70) Styrene	11.94	104	72454	18.098	ug/l	98
71) Bromoform	12.10	173	17448	18.252	ug/l #	100
73) Isopropylbenzene	12.22	105	117682	18.563	ug/l	100
74) N-amyl acetate	12.04	43	58008	18.070	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	36868	18.651	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	32361m	17.800	ug/l	
77) Bromobenzene	12.50	156	27524	18.808	ug/l	99
78) n-propylbenzene	12.56	91	143871	19.134	ug/l	99
79) 2-Chlorotoluene	12.65	91	83642	18.925	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	98483	18.770	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	12287	17.163	ug/l	96
82) 4-Chlorotoluene	12.75	91	89025	19.112	ug/l	99
83) tert-Butylbenzene	12.97	119	80339	18.159	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	99959	18.491	ug/l	99
85) sec-Butylbenzene	13.15	105	114887	19.047	ug/l	99
86) p-Isopropyltoluene	13.26	119	101728	18.718	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	49804	18.487	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	50880	18.484	ug/l	97
89) n-Butylbenzene	13.59	91	93497	18.766	ug/l	98
90) Hexachloroethane	13.85	117	11995	25.559	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	47979	18.574	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7333	17.565	ug/l	100

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93) 1,2,4-Trichlorobenzene	14.88	180	28087	17.856	ug/l	98
94) Hexachlorobutadiene	14.98	225	13147	20.006	ug/l	97
95) Naphthalene	15.10	128	87214	17.025	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	28264	18.199	ug/l	99

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

