

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060953.D
 Acq On : 15 Apr 2020 12:05
 Operator : JC/MD
 Sample : VN0415WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 11:15:57 AM

Quant Time: Apr 16 07:08:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	133074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	220276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	201177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	93694	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	93507	51.19	ug/l	0.00
Spiked Amount						
			Recovery	=	102.38%	
35) Dibromofluoromethane	7.56	113	69211	51.96	ug/l	0.00
Spiked Amount						
			Recovery	=	103.92%	
50) Toluene-d8	10.08	98	268799	49.41	ug/l	0.00
Spiked Amount						
			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.39	95	100296	50.30	ug/l	0.00
Spiked Amount						
			Recovery	=	100.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	20319	15.780	ug/l	97
3) Chloromethane	2.04	50	37431	15.565	ug/l	99
4) Vinyl Chloride	2.17	62	30280	16.098	ug/l	99
5) Bromomethane	2.55	94	16168	19.912	ug/l	99
6) Chloroethane	2.69	64	19442	17.943	ug/l	98
7) Trichlorofluoromethane	3.00	101	42292	18.252	ug/l	98
8) Diethyl Ether	3.38	74	18414	19.783	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	25979	19.350	ug/l	99
10) Methyl Iodide	3.93	142	19450	16.280	ug/l	99
11) Tert butyl alcohol	4.72	59	24794	92.286	ug/l	97
12) 1,1-Dichloroethene	3.72	96	25454	17.667	ug/l	100
13) Acrolein	3.57	56	22744	76.384	ug/l	100
14) Allyl chloride	4.29	41	48338	19.076	ug/l	97
15) Acrylonitrile	4.94	53	79490	100.616	ug/l	99
16) Acetone	3.78	43	65768	101.636	ug/l	99
17) Carbon Disulfide	4.03	76	67441	15.391	ug/l	99
18) Methyl Acetate	4.29	43	38636	21.212	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	97193	19.621	ug/l	97
20) Methylene Chloride	4.52	84	30486	19.152	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	27340	17.805	ug/l	94
22) Diisopropyl ether	5.91	45	112165	20.951	ug/l	99
23) Vinyl Acetate	5.85	43	450471	103.128	ug/l	99
24) 1,1-Dichloroethane	5.81	63	58056	19.892	ug/l	98
25) 2-Butanone	6.79	43	103513	98.856	ug/l	98
26) 2,2-Dichloropropane	6.79	77	48637	21.181	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	33547	19.225	ug/l	98
28) Bromochloromethane	7.17	49	28762	20.598	ug/l	97
29) Tetrahydrofuran	7.18	42	71485	96.488	ug/l	97
30) Chloroform	7.34	83	55141	19.708	ug/l	100
31) Cyclohexane	7.63	56	52459	17.829	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	46499	19.279	ug/l	99
36) 1,1-Dichloropropene	7.77	75	40683	19.074	ug/l	99
37) Ethyl Acetate	6.89	43	45405	19.701	ug/l	99
38) Carbon Tetrachloride	7.75	117	35673	18.661	ug/l	98

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39) Methylcyclohexane	9.06	83	47471	18.728	ug/l	99
40) Benzene	8.01	78	124254	19.297	ug/l	100
41) Methacrylonitrile	7.14	41	17334m	17.623	ug/l	
42) 1,2-Dichloroethane	8.10	62	45148	20.517	ug/l	99
43) Isopropyl Acetate	8.14	43	76741	20.190	ug/l	99
44) Trichloroethene	8.81	130	31134	19.181	ug/l	97
45) 1,2-Dichloropropane	9.10	63	35437	20.857	ug/l	98
46) Dibromomethane	9.19	93	20607	20.062	ug/l	98
47) Bromodichloromethane	9.38	83	43512	20.386	ug/l	97
48) Methyl methacrylate	9.18	41	33331	19.696	ug/l	98
49) 1,4-Dioxane	9.18	88	8373	416.265	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	220514	101.954	ug/l	99
52) Toluene	10.14	92	75427	19.397	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	50471	20.586	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	54950	20.430	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	30158	20.159	ug/l	98
56) Ethyl methacrylate	10.42	69	45948	19.698	ug/l	97
57) 1,3-Dichloropropane	10.70	76	53737	20.700	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	102134	88.096	ug/l	98
59) 2-Hexanone	10.74	43	152093	97.618	ug/l	100
60) Dibromochloromethane	10.89	129	30795	19.928	ug/l	99
61) 1,2-Dibromoethane	10.99	107	29864	19.852	ug/l	100
64) Tetrachloroethene	10.62	164	28811	18.199	ug/l	96
65) Chlorobenzene	11.42	112	77701	19.483	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	28909	20.021	ug/l	98
67) Ethyl Benzene	11.50	91	144148	19.436	ug/l	100
68) m/p-Xylenes	11.61	106	104584	37.947	ug/l	98
69) o-Xylene	11.94	106	50674	19.261	ug/l	98
70) Styrene	11.96	104	82186	19.100	ug/l	99
71) Bromoform	12.12	173	21274	18.811	ug/l #	100
73) Isopropylbenzene	12.24	105	137768	19.593	ug/l	100
74) N-amyl acetate	12.06	43	63038	19.402	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	42990	20.218	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	37698m	18.646	ug/l	
77) Bromobenzene	12.52	156	32885	19.409	ug/l	99
78) n-propylbenzene	12.59	91	161559	19.448	ug/l	99
79) 2-Chlorotoluene	12.67	91	96022	19.346	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	115385	19.337	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	14366	18.250	ug/l	98
82) 4-Chlorotoluene	12.77	91	100293	19.839	ug/l	97
83) tert-Butylbenzene	12.99	119	96429	19.495	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	115482	19.563	ug/l	100
85) sec-Butylbenzene	13.17	105	132388	19.903	ug/l	99
86) p-Isopropyltoluene	13.28	119	117782	19.692	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	57830	19.352	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	57547	19.168	ug/l	98
89) n-Butylbenzene	13.61	91	108943	20.174	ug/l	99
90) Hexachloroethane	13.87	117	18225	20.962	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	56642	19.823	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	7962	17.704	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	33753	19.236	ug/l	100
94) Hexachlorobutadiene	15.01	225	17546	20.398	ug/l	97
95) Naphthalene	15.13	128	97176	18.412	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	33082	19.141	ug/l	99

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

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