

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061888.D
 Acq On : 18 Jun 2020 7:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/18/2020 9:37:13 AM

Quant Time: Jun 18 08:15:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	163933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	285333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	264781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	128245	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	98347	44.73	ug/l	0.00
Spiked Amount			Recovery	=	89.46%	
35) Dibromofluoromethane	7.55	113	84850	46.48	ug/l	0.00
Spiked Amount			Recovery	=	92.96%	
50) Toluene-d8	10.06	98	325109	45.30	ug/l	0.00
Spiked Amount			Recovery	=	90.60%	
62) 4-Bromofluorobenzene	12.37	95	110370	44.84	ug/l	0.00
Spiked Amount			Recovery	=	89.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	100829	47.286	ug/l	99
3) Chloromethane	2.03	50	106682	46.883	ug/l	99
4) Vinyl Chloride	2.16	62	133748	49.305	ug/l	98
5) Bromomethane	2.52	94	95115	45.660	ug/l	97
6) Chloroethane	2.66	64	88659	48.292	ug/l	99
7) Trichlorofluoromethane	2.98	101	173342	53.497	ug/l	98
8) Diethyl Ether	3.37	74	54301	49.849	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	77220	46.453	ug/l	99
10) Methyl Iodide	3.91	142	103194	51.284	ug/l	99
11) Tert butyl alcohol	4.73	59	71967	236.547	ug/l	97
12) 1,1-Dichloroethene	3.69	96	80271	48.192	ug/l	99
13) Acrolein	3.56	56	40534	222.915	ug/l	98
14) Allyl chloride	4.27	41	103022	46.603	ug/l	99
15) Acrylonitrile	4.93	53	188507	250.057	ug/l	99
16) Acetone	3.77	43	150425	231.629	ug/l	99
17) Carbon Disulfide	4.01	76	229033	46.994	ug/l	100
18) Methyl Acetate	4.27	43	88995	47.599	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	271822	49.014	ug/l	100
20) Methylene Chloride	4.50	84	95465	45.120	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	90528	47.318	ug/l	94
22) Diisopropyl ether	5.91	45	236775	46.832	ug/l	99
23) Vinyl Acetate	5.84	43	962265	241.989	ug/l	99
24) 1,1-Dichloroethane	5.80	63	155776	47.067	ug/l	98
25) 2-Butanone	6.79	43	228332	240.982	ug/l	97
26) 2,2-Dichloropropane	6.78	77	92441	33.198	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	103295	46.792	ug/l	96
28) Bromochloromethane	7.15	49	68235	46.304	ug/l	99
29) Tetrahydrofuran	7.17	42	151783	243.413	ug/l	99
30) Chloroform	7.33	83	164607	46.536	ug/l	99
31) Cyclohexane	7.61	56	127001	43.834	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	139531	46.319	ug/l	100
36) 1,1-Dichloropropene	7.75	75	120919	46.462	ug/l	100
37) Ethyl Acetate	6.88	43	97661	48.054	ug/l	99
38) Carbon Tetrachloride	7.73	117	121748	47.239	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	129600	46.246	ug/l	98
40) Benzene	8.00	78	373564	47.384	ug/l	97
41) Methacrylonitrile	7.13	41	37945m	43.662	ug/l	
42) 1,2-Dichloroethane	8.09	62	124322	46.249	ug/l	99
43) Isopropyl Acetate	8.13	43	166575	48.635	ug/l #	90
44) Trichloroethene	8.80	130	98949	47.691	ug/l	96
45) 1,2-Dichloropropane	9.09	63	90337	46.627	ug/l	99
46) Dibromomethane	9.18	93	64350	47.166	ug/l	99
47) Bromodichloromethane	9.37	83	132803	47.537	ug/l	99
48) Methyl methacrylate	9.17	41	74802	48.026	ug/l	100
49) 1,4-Dioxane	9.17	88	36391	1017.657	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	497526	245.821	ug/l	99
52) Toluene	10.12	92	241599	48.796	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	136480	46.020	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	148355	46.056	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	94924	48.728	ug/l	97
56) Ethyl methacrylate	10.40	69	131561	44.549	ug/l	100
57) 1,3-Dichloropropane	10.68	76	158326	47.974	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	248492	241.697	ug/l	100
59) 2-Hexanone	10.72	43	364400	226.684	ug/l	100
60) Dibromochloromethane	10.87	129	104896	48.256	ug/l	99
61) 1,2-Dibromoethane	10.98	107	97027	47.699	ug/l	98
64) Tetrachloroethene	10.60	164	80931	47.956	ug/l	98
65) Chlorobenzene	11.41	112	255754	45.776	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	95654	49.089	ug/l	99
67) Ethyl Benzene	11.48	91	449791	48.016	ug/l	99
68) m/p-Xylenes	11.59	106	354861	98.241	ug/l	99
69) o-Xylene	11.92	106	169757	49.255	ug/l	100
70) Styrene	11.94	104	288242	49.948	ug/l	99
71) Bromoform	12.10	173	70752	49.797	ug/l #	99
73) Isopropylbenzene	12.22	105	439915	48.272	ug/l	99
74) N-amyl acetate	12.05	43	148153	45.204	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	136912	46.208	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	111884m	44.438	ug/l	
77) Bromobenzene	12.50	156	108719	47.287	ug/l	98
78) n-propylbenzene	12.57	91	493314	47.440	ug/l	100
79) 2-Chlorotoluene	12.65	91	294260	47.117	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	365342	48.456	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	39719	43.026	ug/l	99
82) 4-Chlorotoluene	12.75	91	302609	46.892	ug/l	100
83) tert-Butylbenzene	12.97	119	314098	49.141	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	370423	49.771	ug/l	100
85) sec-Butylbenzene	13.15	105	407961	48.763	ug/l	99
86) p-Isopropyltoluene	13.26	119	366041	49.100	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	196989	46.977	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	195971	45.656	ug/l	99
89) n-Butylbenzene	13.59	91	293668	47.168	ug/l	99
90) Hexachloroethane	13.85	117	67048	49.132	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	195709	48.480	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	24227	50.367	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	91945	48.267	ug/l	99
94) Hexachlorobutadiene	14.98	225	36295	48.376	ug/l	99
95) Naphthalene	15.10	128	280367	44.371	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	92942	49.265	ug/l	99

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

