

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051120\
 Data File : VN061390.D
 Acq On : 11 May 2020 16:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 5/12/2020 3:34:18 PM

Quant Time: May 12 04:00:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	107958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	184801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	173056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	83059	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	86525	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
35) Dibromofluoromethane	7.55	113	52962	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
50) Toluene-d8	10.06	98	226307	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.37	95	86756	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	49591	43.318	ug/l 97
3) Chloromethane	2.03	50	67724	48.845	ug/l 99
4) Vinyl Chloride	2.16	62	73837	46.887	ug/l 99
5) Bromomethane	2.54	94	30527	39.216	ug/l 99
6) Chloroethane	2.67	64	45386	45.470	ug/l 99
7) Trichlorofluoromethane	2.98	101	95405	53.697	ug/l 100
8) Diethyl Ether	3.37	74	39696	53.565	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	56871	49.686	ug/l 98
10) Methyl Iodide	3.91	142	57638	39.183	ug/l 99
11) Tert butyl alcohol	4.72	59	44478	194.371	ug/l 98
12) 1,1-Dichloroethene	3.70	96	53805	47.237	ug/l 98
13) Acrolein	3.56	56	26813	175.831	ug/l 96
14) Allyl chloride	4.27	41	117759	55.757	ug/l 98
15) Acrylonitrile	4.92	53	176787	251.672	ug/l 100
16) Acetone	3.77	43	149214	225.313	ug/l 99
17) Carbon Disulfide	4.01	76	126971	40.354	ug/l 99
18) Methyl Acetate	4.27	43	95330	44.288	ug/l 98
19) Methyl tert-butyl Ether	4.99	73	217062	49.872	ug/l 98
20) Methylene Chloride	4.50	84	64390	48.340	ug/l 98
21) trans-1,2-Dichloroethene	4.99	96	59498	47.970	ug/l 98
22) Diisopropyl ether	5.90	45	253798	51.821	ug/l 99
23) Vinyl Acetate	5.84	43	1002663	254.264	ug/l 100
24) 1,1-Dichloroethane	5.80	63	127633	49.879	ug/l 99
25) 2-Butanone	6.78	43	234618	232.108	ug/l 99
26) 2,2-Dichloropropane	6.77	77	102999	47.788	ug/l 99
27) cis-1,2-Dichloroethene	6.78	96	71081	48.835	ug/l 99
28) Bromochloromethane	7.15	49	66685	54.982	ug/l 96
29) Tetrahydrofuran	7.16	42	157457	231.246	ug/l 99
30) Chloroform	7.33	83	125993	48.587	ug/l 99
31) Cyclohexane	7.61	56	105474	42.443	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	107724	47.706	ug/l 100
36) 1,1-Dichloropropene	7.75	75	91101	49.245	ug/l 99
37) Ethyl Acetate	6.88	43	104762	48.305	ug/l 100
38) Carbon Tetrachloride	7.73	117	82907	49.160	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	90818	43.775	ug/l	100
40) Benzene	8.00	78	265719	48.212	ug/l	100
41) Methacrylonitrile	7.12	41	48312	53.653	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	105516	50.536	ug/l	100
43) Isopropyl Acetate	8.12	43	177843	49.411	ug/l	99
44) Trichloroethene	8.80	130	66705	44.771	ug/l	99
45) 1,2-Dichloropropane	9.08	63	75022	50.951	ug/l	99
46) Dibromomethane	9.17	93	46474	50.976	ug/l	98
47) Bromodichloromethane	9.37	83	102112	52.182	ug/l	97
48) Methyl methacrylate	9.17	41	81228	50.012	ug/l	98
49) 1,4-Dioxane	9.16	88	12908	700.133	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	523269	246.988	ug/l	99
52) Toluene	10.12	92	163418	49.227	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	111591	50.610	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	117775	50.524	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	65343	49.348	ug/l	99
56) Ethyl methacrylate	10.40	69	105785	46.072	ug/l	99
57) 1,3-Dichloropropane	10.68	76	118487	50.908	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	268672	250.670	ug/l	99
59) 2-Hexanone	10.72	43	372468	241.655	ug/l	100
60) Dibromochloromethane	10.87	129	70082	50.534	ug/l	99
61) 1,2-Dibromoethane	10.98	107	65377	49.260	ug/l	99
64) Tetrachloroethene	10.60	164	62971	42.013	ug/l	98
65) Chlorobenzene	11.41	112	168569	49.105	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	63394	51.596	ug/l	100
67) Ethyl Benzene	11.48	91	320430	49.863	ug/l	100
68) m/p-Xylenes	11.60	106	231591	98.457	ug/l	98
69) o-Xylene	11.92	106	112235	49.674	ug/l	99
70) Styrene	11.94	104	192295	50.850	ug/l	99
71) Bromoform	12.10	173	46601	51.607	ug/l #	98
73) Isopropylbenzene	12.22	105	304353	49.844	ug/l	100
74) N-amyl acetate	12.04	43	153625	49.685	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	95106	49.952	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	87369m	49.894	ug/l	
77) Bromobenzene	12.50	156	71042	50.401	ug/l	99
78) n-propylbenzene	12.56	91	362715	50.082	ug/l	100
79) 2-Chlorotoluene	12.65	91	214062	50.285	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	255020	50.462	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	33946	49.229	ug/l	99
82) 4-Chlorotoluene	12.75	91	228544	50.938	ug/l	98
83) tert-Butylbenzene	12.97	119	209226	49.098	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	254584	48.895	ug/l	100
85) sec-Butylbenzene	13.15	105	280594	48.296	ug/l	99
86) p-Isopropyltoluene	13.26	119	253987	48.521	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	128125	49.376	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	129272	48.758	ug/l	99
89) n-Butylbenzene	13.59	91	236056	49.191	ug/l	99
90) Hexachloroethane	13.85	117	34664	61.431	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	121234	48.726	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18831	46.830	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	72739	48.009	ug/l	100
94) Hexachlorobutadiene	14.98	225	30980	48.945	ug/l	98
95) Naphthalene	15.10	128	220940	44.777	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	70537	47.155	ug/l	100

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

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