

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120319\
 Data File : VN059467.D
 Acq On : 3 Dec 2019 13:41
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 12/4/2019 9:21:59 AM

Quant Time: Dec 03 15:17:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 14:48:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	355549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	559254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	496424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	209116	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	22209	5.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.52%	
35) Dibromofluoromethane	7.57	113	17353	5.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.14%	
50) Toluene-d8	10.08	98	66753	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	
62) 4-Bromofluorobenzene	12.40	95	21086	4.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	23316	5.704	ug/l	98
3) Chloromethane	2.04	50	27309	5.343	ug/l	96
4) Vinyl Chloride	2.17	62	17579	3.850	ug/l	94
5) Bromomethane	2.54	94	10923	3.998	ug/l	86
6) Chloroethane	2.68	64	9948	3.845	ug/l	98
7) Trichlorofluoromethane	3.00	101	21901	3.979	ug/l	98
8) Diethyl Ether	3.39	74	13189	5.507	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	20603	5.703	ug/l	97
10) Methyl Iodide	3.93	142	21250	4.493	ug/l	97
11) Tert butyl alcohol	4.76	59	23182	31.368	ug/l	97
12) 1,1-Dichloroethene	3.71	96	19691	5.563	ug/l	97
13) Acrolein	3.58	56	18414	26.256	ug/l	93
14) Allyl chloride	4.29	41	37185	5.614	ug/l	98
15) Acrylonitrile	4.96	53	56401	27.372	ug/l	99
16) Acetone	3.79	43	68995	33.838	ug/l	100
17) Carbon Disulfide	4.03	76	63673	5.232	ug/l	97
18) Methyl Acetate	4.30	43	30164	5.449	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	64817	5.618	ug/l	96
20) Methylene Chloride	4.52	84	24980	6.118	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	21494	5.558	ug/l	96
22) Diisopropyl ether	5.92	45	70743	5.723	ug/l	96
23) Vinyl Acetate	5.87	43	278156	27.753	ug/l	100
24) 1,1-Dichloroethane	5.82	63	40723	5.740	ug/l	98
25) 2-Butanone	6.81	43	84354	30.004	ug/l	98
26) 2,2-Dichloropropane	6.80	77	35059	5.799	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	23761	5.600	ug/l	99
28) Bromochloromethane	7.17	49	7210	2.981	ug/l #	94
29) Tetrahydrofuran	7.19	42	54274	29.029	ug/l	99
30) Chloroform	7.35	83	39614	5.556	ug/l	99
31) Cyclohexane	7.63	56	42715	6.008	ug/l #	82
32) 1,1,1-Trichloroethane	7.54	97	32901	5.637	ug/l	96
36) 1,1-Dichloropropene	7.77	75	30344	5.579	ug/l	99
37) Ethyl Acetate	6.91	43	32613	5.562	ug/l	99
38) Carbon Tetrachloride	7.75	117	28797	5.582	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	35476	5.448	ug/l	97
40) Benzene	8.02	78	90568	5.600	ug/l	99
41) Methacrylonitrile	7.15	41	11528	4.235	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	31081	6.015	ug/l	99
43) Isopropyl Acetate	8.15	43	48658	5.488	ug/l	93
44) Trichloroethene	8.82	130	22957	5.578	ug/l	95
45) 1,2-Dichloropropane	9.10	63	24494	5.789	ug/l	98
46) Dibromomethane	9.20	93	14709	5.624	ug/l	98
47) Bromodichloromethane	9.39	83	29356	5.548	ug/l #	96
48) Methyl methacrylate	9.19	41	21620	5.482	ug/l	95
49) 1,4-Dioxane	9.19	88	7272	129.982	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	147394	28.444	ug/l	96
52) Toluene	10.15	92	53256	5.506	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	32970	5.417	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	35537	5.429	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	21528	5.663	ug/l	99
56) Ethyl methacrylate	10.42	69	27237	4.906	ug/l	93
57) 1,3-Dichloropropane	10.70	76	36410	5.562	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	37972	23.724	ug/l	99
59) 2-Hexanone	10.75	43	106598	27.671	ug/l	98
60) Dibromochloromethane	10.90	129	21794	5.513	ug/l	97
61) 1,2-Dibromoethane	11.00	107	20789	5.337	ug/l	95
64) Tetrachloroethene	10.63	164	22557	6.062	ug/l	98
65) Chlorobenzene	11.43	112	55727	5.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	20458	5.545	ug/l	98
67) Ethyl Benzene	11.51	91	97968	5.475	ug/l	98
68) m/p-Xylenes	11.62	106	69481	10.375	ug/l	96
69) o-Xylene	11.95	106	33412	5.224	ug/l	98
70) Styrene	11.96	104	48964	4.882	ug/l	98
71) Bromoform	12.13	173	14413	5.105	ug/l #	96
73) Isopropylbenzene	12.25	105	88160	5.621	ug/l	99
74) N-amyl acetate	12.07	43	31978	5.339	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	28893	5.613	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	28071m	5.776	ug/l	
77) Bromobenzene	12.53	156	22314	5.813	ug/l	100
78) n-propylbenzene	12.59	91	101966	5.627	ug/l	98
79) 2-Chlorotoluene	12.67	91	63015	5.822	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	72810	5.522	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	9454	5.022	ug/l	95
82) 4-Chlorotoluene	12.78	91	62760	5.629	ug/l	99
83) tert-Butylbenzene	12.99	119	62821	5.532	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	69778	5.400	ug/l	100
85) sec-Butylbenzene	13.17	105	84127	5.586	ug/l	99
86) p-Isopropyltoluene	13.29	119	72562	5.335	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	37595	5.530	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	37897	5.544	ug/l	95
89) n-Butylbenzene	13.62	91	60910	5.115	ug/l	98
90) Hexachloroethane	13.88	117	14519	5.573	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	36743	5.515	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	6821	5.834	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	19452	4.742	ug/l	99
94) Hexachlorobutadiene	15.01	225	14961	5.894	ug/l	98
95) Naphthalene	15.13	128	49747	4.257	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	20832	4.773	ug/l	98

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

