

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112719\
 Data File : VN059419.D
 Acq On : 27 Nov 2019 13:01
 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
 12/2/2019 10:08:43 AM

Quant Time: Nov 27 16:47:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:27:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	367663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	575355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	498480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	209143	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	21727	5.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.08%	
35) Dibromofluoromethane	7.57	113	17056	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
50) Toluene-d8	10.08	98	68902	4.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.86%	
62) 4-Bromofluorobenzene	12.40	95	21695	4.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	20821	4.812	ug/l	98
3) Chloromethane	2.04	50	26302	4.976	ug/l	99
4) Vinyl Chloride	2.17	62	25511	5.022	ug/l	97
5) Bromomethane	2.55	94	16445	5.377	ug/l	98
6) Chloroethane	2.68	64	14718	5.168	ug/l	94
7) Trichlorofluoromethane	3.00	101	30795	5.090	ug/l	97
8) Diethyl Ether	3.39	74	12930	5.251	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	19212	5.156	ug/l	99
10) Methyl Iodide	3.93	142	20503	4.227	ug/l	99
11) Tert butyl alcohol	4.75	59	18342	24.584	ug/l #	92
12) 1,1-Dichloroethene	3.71	96	18270	5.007	ug/l	97
13) Acrolein	3.58	56	17882	24.553	ug/l	100
14) Allyl chloride	4.30	41	34837	5.147	ug/l	97
15) Acrylonitrile	4.96	53	52972	25.480	ug/l	99
16) Acetone	3.79	43	51077	24.894	ug/l	99
17) Carbon Disulfide	4.03	76	61488	4.910	ug/l	99
18) Methyl Acetate	4.30	43	29286	5.241	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	59284	5.041	ug/l	96
20) Methylene Chloride	4.52	84	22690	5.443	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	20345	5.117	ug/l	91
22) Diisopropyl ether	5.92	45	63649	5.061	ug/l #	90
23) Vinyl Acetate	5.87	43	254484	25.081	ug/l	98
24) 1,1-Dichloroethane	5.82	63	37710	5.211	ug/l	98
25) 2-Butanone	6.81	43	69962	24.787	ug/l	99
26) 2,2-Dichloropropane	6.80	77	31985	5.194	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	22251	5.117	ug/l	97
28) Bromochloromethane	7.17	49	6846	2.738	ug/l #	100
29) Tetrahydrofuran	7.19	42	46596	24.822	ug/l	98
30) Chloroform	7.35	83	37246	5.115	ug/l	97
31) Cyclohexane	7.63	56	39924	5.503	ug/l #	82
32) 1,1,1-Trichloroethane	7.55	97	30351	5.097	ug/l	98
36) 1,1-Dichloropropene	7.77	75	28413	5.135	ug/l	98
37) Ethyl Acetate	6.91	43	30312	5.178	ug/l #	95
38) Carbon Tetrachloride	7.75	117	26896	5.151	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	33657	5.085	ug/l	98
40) Benzene	8.02	78	84984	5.173	ug/l	98
41) Methacrylonitrile	7.16	41	11371m	4.114	ug/l	
42) 1,2-Dichloroethane	8.10	62	26124	5.015	ug/l	98
43) Isopropyl Acetate	8.15	43	43761	4.921	ug/l #	92
44) Trichloroethene	8.82	130	20947	5.001	ug/l	98
45) 1,2-Dichloropropane	9.10	63	21969	5.113	ug/l	95
46) Dibromomethane	9.20	93	13426	5.063	ug/l	98
47) Bromodichloromethane	9.39	83	26619	4.963	ug/l	99
48) Methyl methacrylate	9.19	41	18267	4.630	ug/l	97
49) 1,4-Dioxane	9.19	88	5098	88.472	ug/l #	96
51) 4-Methyl-2-Pentanone	9.98	43	125435	24.317	ug/l	99
52) Toluene	10.15	92	49295	5.023	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	29503	4.787	ug/l	91
54) cis-1,3-Dichloropropene	9.83	75	32470	4.881	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	19095	4.971	ug/l	96
56) Ethyl methacrylate	10.42	69	24725	4.413	ug/l	95
57) 1,3-Dichloropropane	10.70	76	33639	5.066	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	36081	21.921	ug/l	99
59) 2-Hexanone	10.75	43	91281	23.865	ug/l	97
60) Dibromochloromethane	10.90	129	19406	4.839	ug/l	99
61) 1,2-Dibromoethane	11.00	107	19448	4.940	ug/l	100
64) Tetrachloroethene	10.63	164	19105	5.182	ug/l	97
65) Chlorobenzene	11.43	112	51401	5.093	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	18815	5.141	ug/l	96
67) Ethyl Benzene	11.51	91	89806	5.067	ug/l	99
68) m/p-Xylenes	11.62	106	64418	9.734	ug/l	96
69) o-Xylene	11.95	106	31555	4.972	ug/l	96
70) Styrene	11.96	104	45314	4.554	ug/l	98
71) Bromoform	12.13	173	13432	4.820	ug/l #	100
73) Isopropylbenzene	12.25	105	82493	5.324	ug/l	99
74) N-amyl acetate	12.07	43	27234	4.674	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	27510	5.445	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	25611m	5.301	ug/l	
77) Bromobenzene	12.53	156	20292	5.349	ug/l	98
78) n-propylbenzene	12.59	91	91366	5.117	ug/l	99
79) 2-Chlorotoluene	12.68	91	56049	5.251	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	68213	5.238	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	8776	4.766	ug/l	95
82) 4-Chlorotoluene	12.78	91	57647	5.244	ug/l	97
83) tert-Butylbenzene	12.99	119	59980	5.363	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	65562	5.139	ug/l	98
85) sec-Butylbenzene	13.17	105	78031	5.254	ug/l	100
86) p-Isopropyltoluene	13.29	119	66998	4.990	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	34262	5.097	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	33892	5.022	ug/l	93
89) n-Butylbenzene	13.62	91	55395	4.720	ug/l	100
90) Hexachloroethane	13.88	117	13725	5.349	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	33173	5.036	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5493	4.787	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	17057	4.166	ug/l	96
94) Hexachlorobutadiene	15.01	225	12884	5.134	ug/l	97
95) Naphthalene	15.13	128	43113	3.727	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	18434	4.227	ug/l	97

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

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