

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
 Data File : VN052468.D
 Acq On : 27 Nov 2018 9:39
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/28/2018 9:33:23 AM

Quant Time: Nov 28 00:55:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 00:40:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1037136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1628884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1408781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	578213	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	55603	4.92	ug/l	0.00
Spiked Amount			Recovery	=	9.84%	
35) Dibromofluoromethane	7.59	113	49915	4.97	ug/l	0.00
Spiked Amount			Recovery	=	9.94%	
50) Toluene-d8	10.09	98	190682	4.88	ug/l	0.00
Spiked Amount			Recovery	=	9.76%	
62) 4-Bromofluorobenzene	12.40	95	60890	4.64	ug/l	0.00
Spiked Amount			Recovery	=	9.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	50465	5.197	ug/l	98
3) Chloromethane	2.06	50	64959	5.068	ug/l	97
4) Vinyl Chloride	2.19	62	66156	5.024	ug/l	98
5) Bromomethane	2.57	94	44898	5.465	ug/l	98
6) Chloroethane	2.71	64	41390	5.189	ug/l	94
7) Trichlorofluoromethane	3.02	101	83597	5.168	ug/l	94
8) Diethyl Ether	3.41	74	29876	5.002	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	52504	5.202	ug/l	98
10) Methyl Iodide	3.95	142	53431	3.975	ug/l	99
11) Tert butyl alcohol	4.77	59	13613	24.080	ug/l #	91
12) 1,1-Dichloroethene	3.74	96	50027	5.149	ug/l	95
13) Acrolein	3.61	56	23301	26.200	ug/l	98
14) Allyl chloride	4.33	41	82909	4.951	ug/l	99
15) Acrylonitrile	4.99	53	86898	24.282	ug/l	99
16) Acetone	3.82	43	73070	24.532	ug/l	99
17) Carbon Disulfide	4.06	76	151300	4.949	ug/l	99
18) Methyl Acetate	4.33	43	40849	4.781	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	125776	4.866	ug/l	97
20) Methylene Chloride	4.55	84	58993	5.061	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	53356	5.142	ug/l	94
22) Diisopropyl ether	5.95	45	173877	4.944	ug/l	96
23) Vinyl Acetate	5.90	43	510900	23.321	ug/l	100
24) 1,1-Dichloroethane	5.85	63	101455	5.052	ug/l	99
25) 2-Butanone	6.84	43	103386	24.489	ug/l	99
26) 2,2-Dichloropropane	6.83	77	66834	4.808	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	59465	4.920	ug/l	99
28) Bromochloromethane	7.19	49	46024	5.018	ug/l	99
29) Tetrahydrofuran	7.21	42	65197	23.943	ug/l	99
30) Chloroform	7.37	83	100704	5.026	ug/l	99
31) Cyclohexane	7.65	56	110275	4.908	ug/l #	83
32) 1,1,1-Trichloroethane	7.57	97	78428	4.941	ug/l	100
36) 1,1-Dichloropropene	7.79	75	75897	4.934	ug/l	99
37) Ethyl Acetate	6.93	43	45362	4.832	ug/l	99
38) Carbon Tetrachloride	7.77	117	69109	4.963	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	90461	4.838	ug/l	98
40) Benzene	8.04	78	229515	5.007	ug/l	97
41) Methacrylonitrile	7.17	41	24288	4.732	ug/l	93
42) 1,2-Dichloroethane	8.12	62	67381	4.854	ug/l	97
43) Isopropyl Acetate	8.16	43	73374	4.619	ug/l #	86
44) Trichloroethene	8.84	130	57968	4.937	ug/l	99
45) 1,2-Dichloropropane	9.12	63	60938	5.000	ug/l	97
46) Dibromomethane	9.21	93	33307	4.937	ug/l	99
47) Bromodichloromethane	9.40	83	70987	4.839	ug/l	98
48) Methyl methacrylate	9.20	41	36883	4.452	ug/l	99
49) 1,4-Dioxane	9.20	88	9156	106.502	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	213170	23.916	ug/l	98
52) Toluene	10.16	92	133441	4.899	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	63539	4.503	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	78940	4.668	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	48058	5.016	ug/l	97
56) Ethyl methacrylate	10.43	69	52714	4.471	ug/l	98
57) 1,3-Dichloropropane	10.71	76	84548	4.998	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	159681	22.970	ug/l	99
59) 2-Hexanone	10.75	43	139522	23.323	ug/l	99
60) Dibromochloromethane	10.90	129	49228	4.731	ug/l	100
61) 1,2-Dibromoethane	11.00	107	46509	4.888	ug/l	96
64) Tetrachloroethene	10.63	164	56540	5.176	ug/l	98
65) Chlorobenzene	11.43	112	145260	5.001	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	49990	4.949	ug/l	99
67) Ethyl Benzene	11.51	91	250929	4.933	ug/l	97
68) m/p-Xylenes	11.62	106	182585	9.641	ug/l	98
69) o-Xylene	11.95	106	88823	4.830	ug/l	97
70) Styrene	11.96	104	139396	4.759	ug/l	99
71) Bromoform	12.13	173	30737	4.596	ug/l #	100
73) Isopropylbenzene	12.25	105	236001	5.202	ug/l	99
74) N-amyl acetate	12.07	43	52700	4.598	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	54607	5.292	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	50584m	5.898	ug/l	
77) Bromobenzene	12.53	156	58694	5.235	ug/l	98
78) n-propylbenzene	12.59	91	263153	5.106	ug/l	100
79) 2-Chlorotoluene	12.68	91	160732	5.237	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	185394	5.124	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	12414	4.650	ug/l	93
82) 4-Chlorotoluene	12.77	91	160030	5.174	ug/l	99
83) tert-Butylbenzene	12.99	119	170784	5.295	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	185399	5.113	ug/l	99
85) sec-Butylbenzene	13.17	105	227546	5.180	ug/l	99
86) p-Isopropyltoluene	13.29	119	185288	4.952	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	98804	5.037	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	96225	4.981	ug/l	95
89) n-Butylbenzene	13.62	91	147151	4.729	ug/l	99
90) Hexachloroethane	13.88	117	31873	5.031	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	94356	5.035	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	7044	4.773	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	35380	3.993	ug/l	97
94) Hexachlorobutadiene	15.01	225	31592	5.241	ug/l	98
95) Naphthalene	15.14	128	67861	3.710	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	33193	4.011	ug/l	99

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

