

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
 Data File : VN052952.D
 Acq On : 18 Dec 2018 10:56
 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
 12/19/2018 12:06:17 PM

Quant Time: Dec 18 12:16:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 12:10:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1085368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1607724	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1436046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	676640	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	53787	4.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.32%	
35) Dibromofluoromethane	7.59	113	34626	3.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	7.72%	
50) Toluene-d8	10.09	98	195618	5.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.06%	
62) 4-Bromofluorobenzene	12.40	95	69773	5.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	54950	4.918	ug/l	98
3) Chloromethane	2.06	50	66879	4.987	ug/l	98
4) Vinyl Chloride	2.19	62	67087	5.001	ug/l	99
5) Bromomethane	2.57	94	48098	5.813	ug/l	97
6) Chloroethane	2.71	64	39570	4.990	ug/l	97
7) Trichlorofluoromethane	3.02	101	85536	5.143	ug/l	96
8) Diethyl Ether	3.41	74	30240	4.984	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	55507	5.385	ug/l	98
10) Methyl Iodide	3.96	142	62507	4.330	ug/l	99
11) Tert butyl alcohol	4.76	59	15974	24.772	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	50559	5.067	ug/l	94
13) Acrolein	3.61	56	13208	21.755	ug/l	91
14) Allyl chloride	4.33	41	77497	4.755	ug/l	94
15) Acrylonitrile	4.98	53	88680	24.514	ug/l	95
16) Acetone	3.81	43	47086	18.166	ug/l	94
17) Carbon Disulfide	4.06	76	166584	5.434	ug/l	97
18) Methyl Acetate	4.32	43	45135	4.745	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	132892	4.906	ug/l	99
20) Methylene Chloride	4.55	84	58864	5.047	ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	54480	5.039	ug/l	98
22) Diisopropyl ether	5.95	45	164288	4.725	ug/l	95
23) Vinyl Acetate	5.89	43	486557	23.516	ug/l	98
24) 1,1-Dichloroethane	5.85	63	99677	4.971	ug/l	96
25) 2-Butanone	6.83	43	81148	20.177	ug/l	98
26) 2,2-Dichloropropane	6.82	77	77397	5.241	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	60532	4.933	ug/l	99
28) Bromochloromethane	7.19	49	42169	4.683	ug/l	91
29) Tetrahydrofuran	7.21	42	64388	23.451	ug/l	99
30) Chloroform	7.37	83	98415	5.033	ug/l	99
31) Cyclohexane	7.65	56	110568	4.946	ug/l #	78
32) 1,1,1-Trichloroethane	7.57	97	85389	5.219	ug/l	96
36) 1,1-Dichloropropene	7.79	75	77519	5.236	ug/l	99
37) Ethyl Acetate	6.93	43	43107	4.847	ug/l	96
38) Carbon Tetrachloride	7.77	117	73821	5.417	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	97116	5.345	ug/l	95
40) Benzene	8.04	78	230883	5.196	ug/l	99
41) Methacrylonitrile	7.17	41	21301	4.323	ug/l	92
42) 1,2-Dichloroethane	8.12	62	69744	5.214	ug/l	100
43) Isopropyl Acetate	8.16	43	98159	5.383	ug/l #	84
44) Trichloroethene	8.83	130	66291	5.523	ug/l	97
45) 1,2-Dichloropropane	9.12	63	59687	5.128	ug/l	100
46) Dibromomethane	9.21	93	35029	5.190	ug/l	99
47) Bromodichloromethane	9.40	83	76377	5.457	ug/l	97
48) Methyl methacrylate	9.20	41	39486	4.938	ug/l	95
49) 1,4-Dioxane	9.20	88	10526	115.963	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	200149	23.937	ug/l	99
52) Toluene	10.15	92	142997	5.313	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	75839	5.384	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	89715	5.345	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	52567	5.472	ug/l	96
56) Ethyl methacrylate	10.43	69	62270	5.051	ug/l	96
57) 1,3-Dichloropropane	10.71	76	84539	5.131	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	186924	27.172	ug/l	97
59) 2-Hexanone	10.75	43	134515	23.474	ug/l	99
60) Dibromochloromethane	10.90	129	57485	5.536	ug/l	99
61) 1,2-Dibromoethane	11.00	107	50155	5.282	ug/l	99
64) Tetrachloroethene	10.63	164	78537	6.363	ug/l	99
65) Chlorobenzene	11.43	112	160216	5.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	56293	5.433	ug/l	99
67) Ethyl Benzene	11.51	91	275421	5.383	ug/l	99
68) m/p-Xylenes	11.62	106	210340	10.949	ug/l #	46
69) o-Xylene	11.95	106	102697	5.474	ug/l	98
70) Styrene	11.96	104	160239	5.314	ug/l	98
71) Bromoform	12.13	173	41829	5.942	ug/l #	99
73) Isopropylbenzene	12.25	105	274092	5.425	ug/l	99
74) N-amyl acetate	12.07	43	68323	4.926	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	54265	4.793	ug/l	89
76) 1,2,3-Trichloropropane	12.55	75	52730m	5.282	ug/l	
77) Bromobenzene	12.53	156	69219	5.387	ug/l	97
78) n-propylbenzene	12.59	91	310563	5.390	ug/l	99
79) 2-Chlorotoluene	12.67	91	239095	7.019	ug/l	87
80) 1,3,5-Trimethylbenzene	12.73	105	233287	5.720	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	17489	5.628	ug/l #	72
82) 4-Chlorotoluene	12.77	91	186251	5.348	ug/l	100
83) tert-Butylbenzene	12.99	119	202774	5.636	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	225916	5.472	ug/l	100
85) sec-Butylbenzene	13.17	105	289344	5.939	ug/l	99
86) p-Isopropyltoluene	13.29	119	245392	5.814	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	126454	5.538	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	126894	5.611	ug/l	98
89) n-Butylbenzene	13.61	91	211908	5.963	ug/l	99
90) Hexachloroethane	13.88	117	39793	5.630	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	118269	5.384	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9432	5.526	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	67236	5.631	ug/l	98
94) Hexachlorobutadiene	15.01	225	47628	6.891	ug/l	99
95) Naphthalene	15.13	128	122659	4.960	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	60934	5.562	ug/l	98

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

