

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010519\
 Data File : VN053286.D
 Acq On : 4 Jan 2019 17:42
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 10:24:01 AM

Quant Time: Jan 07 09:32:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:27:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	894912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1390292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1225568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	563570	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	48275	5.27	ug/l	0.00
Spiked Amount			Recovery	=	10.54%	
35) Dibromofluoromethane	7.59	113	38444	4.89	ug/l	0.00
Spiked Amount			Recovery	=	9.78%	
50) Toluene-d8	10.09	98	165089	4.86	ug/l	0.00
Spiked Amount			Recovery	=	9.72%	
62) 4-Bromofluorobenzene	12.40	95	56735	4.81	ug/l	0.00
Spiked Amount			Recovery	=	9.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	36326	4.471	ug/l	96
3) Chloromethane	2.06	50	53644	4.981	ug/l	98
4) Vinyl Chloride	2.19	62	52600	4.999	ug/l	97
5) Bromomethane	2.57	94	32982	4.999	ug/l	96
6) Chloroethane	2.71	64	31090	5.087	ug/l	97
7) Trichlorofluoromethane	3.02	101	67526	5.090	ug/l	100
8) Diethyl Ether	3.41	74	25899	4.876	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	42891	5.141	ug/l	100
10) Methyl Iodide	3.96	142	51214	4.141	ug/l	98
11) Tert butyl alcohol	4.78	59	13805	23.222	ug/l	98
12) 1,1-Dichloroethene	3.74	96	40217	4.871	ug/l	98
13) Acrolein	3.61	56	18452	27.188	ug/l	98
14) Allyl chloride	4.33	41	65832	5.094	ug/l	96
15) Acrylonitrile	4.99	53	82979	24.469	ug/l	99
16) Acetone	3.82	43	60764	26.843	ug/l	98
17) Carbon Disulfide	4.06	76	122423	4.862	ug/l	98
18) Methyl Acetate	4.33	43	40245	5.196	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	112694	4.827	ug/l	98
20) Methylene Chloride	4.56	84	49028	5.159	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	43557	4.917	ug/l	97
22) Diisopropyl ether	5.95	45	143147	4.942	ug/l	95
23) Vinyl Acetate	5.90	43	437508	23.504	ug/l	99
24) 1,1-Dichloroethane	5.85	63	84195	5.085	ug/l	99
25) 2-Butanone	6.84	43	94425	24.819	ug/l	98
26) 2,2-Dichloropropane	6.83	77	60025	5.019	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	50955	4.982	ug/l	98
28) Bromochloromethane	7.20	49	36450	4.953	ug/l	98
29) Tetrahydrofuran	7.22	42	59833	23.595	ug/l	98
30) Chloroform	7.37	83	83277	5.133	ug/l	99
31) Cyclohexane	7.66	56	88662	5.678	ug/l	# 81
32) 1,1,1-Trichloroethane	7.57	97	66842	4.930	ug/l	98
36) 1,1-Dichloropropene	7.79	75	62387	4.849	ug/l	99
37) Ethyl Acetate	6.93	43	41998	4.907	ug/l	98
38) Carbon Tetrachloride	7.78	117	58023	4.824	ug/l	98

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

39) Methylcyclohexane	9.08	83	72370	4.815	ug/l	98
40) Benzene	8.04	78	196558	4.971	ug/l	100
41) Methacrylonitrile	7.19	41	25566m	5.241	ug/l	
42) 1,2-Dichloroethane	8.12	62	58684	5.051	ug/l	100
43) Isopropyl Acetate	8.17	43	82513	5.337	ug/l #	85
44) Trichloroethene	8.84	130	52753	4.893	ug/l	97
45) 1,2-Dichloropropane	9.12	63	50968	4.915	ug/l	99
46) Dibromomethane	9.21	93	29927	4.895	ug/l	99
47) Bromodichloromethane	9.40	83	60539	4.802	ug/l	99
48) Methyl methacrylate	9.20	41	35323	4.562	ug/l	97
49) 1,4-Dioxane	9.20	88	8511	94.921	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	200036	23.269	ug/l	100
52) Toluene	10.16	92	116334	4.708	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	59053	4.450	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	69825	4.561	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	44220	4.985	ug/l	98
56) Ethyl methacrylate	10.43	69	53059	4.359	ug/l	99
57) 1,3-Dichloropropane	10.71	76	73971	4.934	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	149401	22.974	ug/l	99
59) 2-Hexanone	10.75	43	137587	23.102	ug/l	99
60) Dibromochloromethane	10.90	129	45365	4.575	ug/l	98
61) 1,2-Dibromoethane	11.01	107	41713	4.644	ug/l	97
64) Tetrachloroethene	10.63	164	57282	4.920	ug/l	98
65) Chlorobenzene	11.43	112	130065	4.884	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	44757	4.765	ug/l	99
67) Ethyl Benzene	11.51	91	216841	4.708	ug/l	100
68) m/p-Xylenes	11.62	106	163155	9.293	ug/l	99
69) o-Xylene	11.95	106	79562	4.677	ug/l	100
70) Styrene	11.96	104	126247	4.479	ug/l	98
71) Bromoform	12.13	173	31386	4.625	ug/l #	99
73) Isopropylbenzene	12.25	105	206191	4.828	ug/l	100
74) N-amyl acetate	12.07	43	59909	4.594	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	48687	5.150	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	40831m	5.101	ug/l	
77) Bromobenzene	12.53	156	56212	5.033	ug/l	99
78) n-propylbenzene	12.59	91	228876	4.700	ug/l	99
79) 2-Chlorotoluene	12.68	91	144155	5.011	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	165476	4.812	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	12537	4.202	ug/l	90
82) 4-Chlorotoluene	12.77	91	147466	5.002	ug/l	99
83) tert-Butylbenzene	12.99	119	145920	4.919	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	169068	4.824	ug/l	99
85) sec-Butylbenzene	13.17	105	192628	4.863	ug/l	99
86) p-Isopropyltoluene	13.29	119	164631	4.734	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	96813	4.956	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	97453	5.052	ug/l	96
89) n-Butylbenzene	13.62	91	129361	4.493	ug/l	99
90) Hexachloroethane	13.88	117	24477	4.418	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	90374	4.876	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5526	4.470	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	25092	4.086	ug/l	99
94) Hexachlorobutadiene	15.01	225	23795	4.887	ug/l	97
95) Naphthalene	15.13	128	39760	3.730	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	15669	3.966	ug/l	99

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

