

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL121317\
 Data File : VL031213.D
 Acq On : 13 Dec 2017 23:07
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 12/15/2017 4:06:54 PM

Quant Time: Dec 14 03:57:35 2017
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 2017
 QLast Update : Thu Dec 14 03:40:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1573679	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	3753144	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3805142	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.75	95	2681505	9.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.18	85	252324	1.57	ppbv	99
3) Chlorodifluoromethane	3.11	51	386416	1.79	ppbv	100
4) Chloromethane	3.27	50	208303	2.58	ppbv	98
5) Vinyl Chloride	3.40	62	202933	2.30	ppbv	95
6) Bromomethane	3.63	94	126647	2.37	ppbv	95
7) Chloroethane	3.71	64	81222	2.59	ppbv	95
8) Dichlorotetrafluoroethane	3.32	85	374433	2.00	ppbv	98
9) Propene	3.13	41	190094	2.13	ppbv	99
10) Heptane	8.41	43	559690	2.11	ppbv	99
11) Trichlorofluoromethane	4.13	101	478847	2.54	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.68	101	308262	2.75	ppbv	99
13) Ethanol	3.77	45	56044	3.28	ppbv	97
14) Bromoethene	3.91	108	145184	2.52	ppbv	98
15) Acetone	4.03	43	447352	2.83	ppbv	99
16) 1,3-Butadiene	3.47	39	199286	2.68	ppbv	97
17) tert-Butyl alcohol	4.49	59	256036	3.34	ppbv	98
18) 1,1-Dichloroethene	4.48	96	148250	2.72	ppbv	92
19) Isopropyl Alcohol	4.15	45	287463	3.12	ppbv	92
20) Methylene Chloride	4.54	84	152631	2.78	ppbv	99
21) Allyl Chloride	4.61	41	262857	3.34	ppbv	98
22) trans-1,2-Dichloroethene	5.10	96	167267	2.45	ppbv	98
23) Vinyl Acetate	5.29	43	628072	2.23	ppbv	99
24) 1,1-Dichloroethane	5.23	63	488022	2.01	ppbv	100
25) Ethyl Acetate	5.92	43	883911	2.25	ppbv	99
26) Hexane	5.93	57	413595	2.17	ppbv	99
27) Carbon Disulfide	4.76	76	408799	3.05	ppbv #	91
28) Methyl tert-Butyl Ether	5.26	73	536507	2.54	ppbv	99
29) Chloroform	5.99	83	563969	2.06	ppbv	99
30) Cyclohexane	7.40	84	333256	2.18	ppbv	88
31) cis-1,2-Dichloroethene	5.78	61	363594	1.99	ppbv	99
32) 1,1,1-Trichloroethane	6.77	97	565467	2.48	ppbv	100
34) 2-Butanone	5.47	43	583902	1.90	ppbv	100
35) Carbon Tetrachloride	7.29	117	555995	2.11	ppbv	98
36) Benzene	7.16	78	829043	1.93	ppbv	98
37) 1,2-Dichloroethane	6.56	62	450528	1.79	ppbv	99
38) Trichloroethene	8.12	130	325974	1.99	ppbv	93
39) 1,2-Dichloropropane	7.90	63	300765	1.83	ppbv	99
40) 1,4-Dioxane	8.13	88	105404	1.61	ppbv #	87
41) Tetrahydrofuran	6.31	42	332580	2.06	ppbv	100
42) Bromodichloromethane	8.08	83	580175	1.93	ppbv	99
43) Methyl Methacrylate	8.30	69	300255	2.00	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	1381756	1.92	ppbv	99
45) t-1,3-Dichloropropene	9.58	75	401680	2.16	ppbv	98
46) cis-1,3-Dichloropropene	9.00	75	523767	2.12	ppbv	95
47) 1,1,2-Trichloroethane	9.78	97	322837	1.85	ppbv	97
48) Dibromochloromethane	10.62	129	513999	2.19	ppbv	99
49) Bromoform	13.37	173	392165	2.21	ppbv	100
50) 4-Methyl-2-Pentanone	9.04	43	738643	1.90	ppbv	99
51) 2-Hexanone	10.44	43	690788	1.87	ppbv #	100
52) Tetrachloroethene	11.54	164	307068	2.01	ppbv	97
53) Toluene	10.12	91	973314	2.00	ppbv	99
54) 1,2-Dibromoethane	10.93	107	490805	1.98	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.45	131	370749	2.38	ppbv #	1
57) Chlorobenzene	12.47	112	761583	2.05	ppbv	99
58) Ethyl Benzene	13.03	91	1335036	2.05	ppbv	100
59) m/p-Xylene	13.32	91	2146962m	3.91	ppbv	
60) o-Xylene	14.02	91	1093558	2.00	ppbv	100
61) Styrene	13.85	104	305564	2.22	ppbv	99
62) Isopropylbenzene	15.00	105	1426027	2.18	ppbv	100
63) 1,1,2,2-Tetrachloroethane	14.01	83	699025	1.64	ppbv	100
64) n-propylbenzene	15.89	120	380802	2.13	ppbv	96
65) tert-Butylbenzene	17.08	119	1283372	2.23	ppbv	98
66) Benzyl Chloride	17.32	91	143485	2.92	ppbv	93
67) sec-Butylbenzene	17.63	105	1744871	2.01	ppbv	99
69) p-Isopropyltoluene	17.98	119	1475270	2.20	ppbv	99
70) n-Butylbenzene	18.88	91	1425409	1.93	ppbv	99
71) 2-Chlorotoluene	15.79	91	1053590	2.00	ppbv	100
72) 4-Ethyltoluene	16.17	105	1187181	2.15	ppbv	99
73) 1,3,5-Trimethylbenzene	16.33	105	1051493	2.06	ppbv	96
74) 1,2,4-Trimethylbenzene	17.10	105	1117556	1.99	ppbv	98
75) 1,3-Dichlorobenzene	17.34	146	724853	2.04	ppbv	99
76) 1,4-Dichlorobenzene	17.48	146	715903	2.00	ppbv	99
77) 1,2-Dichlorobenzene	18.16	146	698503	1.99	ppbv	99
78) Hexachloro-1,3-Butadiene	23.70	225	165082	2.46	ppbv	99
79) Naphthalene	22.61	128	925328	2.43	ppbv	99
80) Naphthalene, 2-methyl-	25.25	142	339042	3.02	ppbv	99
81) 1,2,4-Trichlorobenzene	22.34	180	435481	2.29	ppbv	99

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

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Misc      : 400ml/MSVOA L  
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