

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
 Data File : VL026261.D
 Acq On : 29 Oct 2015 10:02
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

Mmdadoda
 10/30/2015 12:06:31 PM

Quant Time: Oct 29 11:53:15 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 11:53:15 2015
 QLast Update : Thu Oct 29 10:15:11 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.68	49	596220	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	1679949	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.79	117	2027249	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.33	95	1506792	9.63	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.67	85	257111	2.10	ppbv	100
3) Chlorodifluoromethane	3.59	51	158290	2.11	ppbv	99
4) Chloromethane	3.78	50	87985	2.14	ppbv	95
5) Vinyl Chloride	3.91	62	88663	2.06	ppbv	97
6) Bromomethane	4.17	94	63465	2.06	ppbv	97
7) Chloroethane	4.26	64	37827	2.09	ppbv	95
8) Dichlorotetrafluoroethane	3.83	85	226203	2.14	ppbv	100
9) Propene	3.62	41	75476	2.12	ppbv	98
10) Heptane	9.39	43	258374	2.17	ppbv	98
11) Trichlorofluoromethane	4.72	101	247509	2.07	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.34	101	165356	2.03	ppbv	99
13) Ethanol	4.37	45	13549	2.65	ppbv	94
14) Bromoethene	4.48	108	69873	2.01	ppbv	99
15) Acetone	4.64	43	166143	1.91	ppbv #	87
16) 1,3-Butadiene	4.00	39	81249	2.07	ppbv	98
17) tert-Butyl alcohol	5.16	59	117858	2.02	ppbv	100
18) 1,1-Dichloroethene	5.11	96	74513	2.01	ppbv	93
19) Isopropyl Alcohol	4.78	45	72777	2.17	ppbv #	67
20) Methylene Chloride	5.18	84	69568	2.01	ppbv	98
21) Allyl Chloride	5.26	41	110478	1.94	ppbv	99
22) trans-1,2-Dichloroethene	5.79	96	104377	2.17	ppbv	97
23) Vinyl Acetate	6.01	43	318667	1.98	ppbv	99
24) 1,1-Dichloroethane	5.94	63	219102	2.15	ppbv	99
25) Ethyl Acetate	6.70	43	347218	2.12	ppbv	100
26) Hexane	6.69	57	171450	2.09	ppbv	99
27) Carbon Disulfide	5.42	76	196877	1.90	ppbv	99
28) Methyl tert-Butyl Ether	5.99	73	299181	2.02	ppbv	100
29) Chloroform	6.78	83	247443	2.09	ppbv	98
30) Cyclohexane	8.32	84	168406	2.06	ppbv	92
31) cis-1,2-Dichloroethene	6.55	61	155405	2.09	ppbv	98
32) 1,1,1-Trichloroethane	7.63	97	245512	1.88	ppbv	99
34) 2-Butanone	6.23	43	217482	2.26	ppbv	99
35) Carbon Tetrachloride	8.20	117	250319	1.97	ppbv	99
36) Benzene	8.06	78	381817	2.22	ppbv	99
37) 1,2-Dichloroethane	7.41	62	192661	2.19	ppbv	99
38) Trichloroethene	9.10	130	157785	1.91	ppbv	97
39) 1,2-Dichloropropane	8.87	63	139047	2.29	ppbv	97
40) 1,4-Dioxane	9.18	88	23974	2.17	ppbv #	1
41) Tetrahydrofuran	7.17	42	127672	2.28	ppbv	99
42) Bromodichloromethane	9.06	83	269679	2.14	ppbv	100
43) Methyl Methacrylate	9.31	69	137293	2.20	ppbv	98

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44) 2,2,4-Trimethylpentane	9.12	57	652557	2.34	ppbv	98
45) t-1,3-Dichloropropene	10.69	75	194225	2.01	ppbv	97
46) cis-1,3-Dichloropropene	10.06	75	237594	2.09	ppbv	96
47) 1,1,2-Trichloroethane	10.92	97	167491	2.22	ppbv	98
48) Dibromochloromethane	11.84	129	246099	2.03	ppbv	100
49) Bromoform	14.86	173	197298	1.94	ppbv	99
50) 4-Methyl-2-Pentanone	10.13	43	297721	2.30	ppbv	99
51) 2-Hexanone	11.66	43	269837	2.23	ppbv #	98
52) Tetrachloroethene	12.83	164	166961	1.71	ppbv	98
53) Toluene	11.28	91	506633	2.18	ppbv	99
54) 1,2-Dibromoethane	12.18	107	257159	2.21	ppbv	97
56) 1,1,1,2-Tetrachloroethane	13.83	131	193074	1.99	ppbv #	1
57) Chlorobenzene	13.86	112	433167	2.22	ppbv	98
58) Ethyl Benzene	14.46	91	728946	2.20	ppbv	100
59) m/p-Xylene	14.74	91	1158960m	4.48	ppbv	
60) o-Xylene	15.54	91	602679	2.23	ppbv	100
61) Styrene	15.35	104	260529	2.14	ppbv	100
62) Isopropylbenzene	16.59	105	821158	2.19	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.53	83	415885	2.32	ppbv	100
64) n-propylbenzene	17.57	120	223570	2.17	ppbv	88
65) tert-Butylbenzene	18.86	119	761421	2.23	ppbv	100
66) Benzyl Chloride	19.15	91	244034	1.77	ppbv	98
67) sec-Butylbenzene	19.46	105	1074464	2.25	ppbv	99
69) p-Isopropyltoluene	19.84	119	887666	2.23	ppbv	99
70) n-Butylbenzene	20.80	91	851616	2.33	ppbv	98
71) 2-Chlorotoluene	17.47	91	614875	2.22	ppbv	100
72) 4-Ethyltoluene	17.86	105	690736	2.20	ppbv	100
73) 1,3,5-Trimethylbenzene	18.04	105	652339	2.23	ppbv	98
74) 1,2,4-Trimethylbenzene	18.88	105	694680	2.29	ppbv	99
75) 1,3-Dichlorobenzene	19.17	146	438428	2.22	ppbv	99
76) 1,4-Dichlorobenzene	19.32	146	443640	2.16	ppbv	99
77) 1,2-Dichlorobenzene	20.07	146	441241	2.22	ppbv	99
78) Hexachloro-1,3-Butadiene	24.71	225	183980	1.85	ppbv	99
79) Naphthalene	23.97	128	506193	1.95	ppbv	100
80) Naphthalene, 2-methyl-	26.09	142	87804	2.22	ppbv	99
81) 1,2,4-Trichlorobenzene	23.77	180	254516	2.02	ppbv	99

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

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Misc      : 400mL/MSVOA L  
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