

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
 Data File : VL026262.D
 Acq On : 29 Oct 2015 10:41
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Mmdadoda
 10/30/2015 12:06:33 PM

Quant Time: Oct 29 14:13:18 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 14:13:18 2015
 QLast Update : Thu Oct 29 13:53:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.68	49	592005	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	1657811	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.79	117	1940810	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.33	95	1470425	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.67	85	126611	1.03	ppbv	97
3) Chlorodifluoromethane	3.59	51	80142	1.07	ppbv	99
4) Chloromethane	3.78	50	43415	1.02	ppbv	95
5) Vinyl Chloride	3.91	62	44114	0.44	ppbv	98
6) Bromomethane	4.17	94	31916	1.03	ppbv	100
7) Chloroethane	4.27	64	18486	0.99	ppbv	95
8) Dichlorotetrafluoroethane	3.83	85	114158	1.05	ppbv	97
9) Propene	3.62	41	36490	1.01	ppbv	96
10) Heptane	9.39	43	126087	1.04	ppbv	98
11) Trichlorofluoromethane	4.72	101	124666	1.03	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.34	101	84015	1.03	ppbv	98
13) Ethanol	4.37	45	5418m	1.10	ppbv	
14) Bromoethene	4.48	108	33556	0.98	ppbv	96
15) Acetone	4.64	43	85081	1.07	ppbv #	86
16) 1,3-Butadiene	4.00	39	39798	1.02	ppbv	98
17) tert-Butyl alcohol	5.18	59	53485	0.91	ppbv	99
18) 1,1-Dichloroethene	5.11	96	36768	1.00	ppbv	100
19) Isopropyl Alcohol	4.80	45	32218	0.97	ppbv #	46
20) Methylene Chloride	5.18	84	35410	1.03	ppbv	97
21) Allyl Chloride	5.26	41	56294	1.01	ppbv	90
22) trans-1,2-Dichloroethene	5.80	96	49621	1.02	ppbv	98
23) Vinyl Acetate	6.01	43	148013	0.97	ppbv #	96
24) 1,1-Dichloroethane	5.94	63	109247	1.05	ppbv	100
25) Ethyl Acetate	6.71	43	172229	1.04	ppbv	99
26) Hexane	6.70	57	84441	1.04	ppbv	98
27) Carbon Disulfide	5.42	76	94343	0.97	ppbv	99
28) Methyl tert-Butyl Ether	5.99	73	145061	1.02	ppbv	99
29) Chloroform	6.78	83	123541	1.03	ppbv	99
30) Cyclohexane	8.32	84	81209	1.02	ppbv #	81
31) cis-1,2-Dichloroethene	6.55	61	74952	1.01	ppbv	97
32) 1,1,1-Trichloroethane	7.63	97	121552	0.43	ppbv	100
34) 2-Butanone	6.24	43	105066	1.05	ppbv	100
35) Carbon Tetrachloride	8.20	117	120217	0.44	ppbv	98
36) Benzene	8.06	78	189116	1.08	ppbv	98
37) 1,2-Dichloroethane	7.41	62	96243	1.06	ppbv	100
38) Trichloroethene	9.10	130	80349	0.44	ppbv	99
39) 1,2-Dichloropropane	8.87	63	67926	1.07	ppbv	97
40) 1,4-Dioxane	9.21	88	7272m	0.76	ppbv	
41) Tetrahydrofuran	7.18	42	59595	1.04	ppbv	98
42) Bromodichloromethane	9.06	83	125672	1.03	ppbv	96
43) Methyl Methacrylate	9.31	69	64527	1.03	ppbv	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.12	57	314889	1.10	ppbv	99
45) t-1,3-Dichloropropene	10.69	75	86894	0.98	ppbv	95
46) cis-1,3-Dichloropropene	10.06	75	108066	1.00	ppbv	97
47) 1,1,2-Trichloroethane	10.91	97	82247	1.06	ppbv	98
48) Dibromochloromethane	11.84	129	112923	1.01	ppbv	100
49) Bromoform	14.86	173	84225	0.95	ppbv	99
50) 4-Methyl-2-Pentanone	10.14	43	138219	1.03	ppbv	100
51) 2-Hexanone	11.67	43	123915	1.02	ppbv #	100
52) Tetrachloroethene	12.84	164	81794	0.42	ppbv	96
53) Toluene	11.28	91	241568	1.05	ppbv	99
54) 1,2-Dibromoethane	12.18	107	124058	1.05	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.83	131	93978	1.10	ppbv #	1
57) Chlorobenzene	13.86	112	217265	1.13	ppbv	97
58) Ethyl Benzene	14.46	91	353857	1.11	ppbv	98
59) m/p-Xylene	14.76	91	567934	2.25	ppbv #	100
60) o-Xylene	15.54	91	301219	1.14	ppbv	100
61) Styrene	15.35	104	114588	1.02	ppbv	99
62) Isopropylbenzene	16.59	105	395267	1.10	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.53	83	205006	0.46	ppbv	100
64) n-propylbenzene	17.57	120	107707	1.10	ppbv	91
65) tert-Butylbenzene	18.86	119	372922	1.15	ppbv	99
66) Benzyl Chloride	19.15	91	94373	0.90	ppbv	98
67) sec-Butylbenzene	19.46	105	514586	1.12	ppbv	99
69) p-Isopropyltoluene	19.83	119	420377	1.12	ppbv	99
70) n-Butylbenzene	20.80	91	397115	1.12	ppbv	99
71) 2-Chlorotoluene	17.47	91	290259	1.10	ppbv	99
72) 4-Ethyltoluene	17.86	105	324099	1.09	ppbv	99
73) 1,3,5-Trimethylbenzene	18.04	105	306102	1.09	ppbv	99
74) 1,2,4-Trimethylbenzene	18.88	105	332213	1.13	ppbv	99
75) 1,3-Dichlorobenzene	19.16	146	211719	1.11	ppbv	99
76) 1,4-Dichlorobenzene	19.32	146	210862	1.08	ppbv	99
77) 1,2-Dichlorobenzene	20.07	146	211272	1.11	ppbv	99
78) Hexachloro-1,3-Butadiene	24.71	225	90137	1.13	ppbv	98
79) Naphthalene	23.97	128	227615	1.03	ppbv	100
80) Naphthalene, 2-methyl-	26.09	142	37618	1.01	ppbv	97
81) 1,2,4-Trichlorobenzene	23.77	180	116811	1.08	ppbv	98

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

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