

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026179.D
 Acq On : 9 Oct 2015 16:11
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 ICVVL100915

Manual Integrations
 APPROVED

MMdadoda
 10/12/2015 1:25:19 PM

Quant Time: Oct 09 16:45:23 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 16:45:23 2015
 QLast Update : Fri Oct 09 16:23:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.68	49	885604	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	8.35	114	2516951	10.00	ppbv	0.02
55) Chlorobenzene-d5	13.78	117	2930476m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.32	95	2279007	10.13	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.65	85	1598813	9.63	ppbv	99
3) Chlorodifluoromethane	3.58	51	857488	8.29	ppbv	100
4) Chloromethane	3.76	50	532825	9.13	ppbv	99
5) Vinyl Chloride	3.90	62	541570	9.21	ppbv	98
6) Bromomethane	4.16	94	407942	9.64	ppbv	98
7) Chloroethane	4.25	64	238841	9.35	ppbv	97
8) Dichlorotetrafluoroethane	3.82	85	1302932	8.99	ppbv	100
9) Propene	3.60	41	439699	9.26	ppbv	99
10) Heptane	9.38	43	1500992	9.09	ppbv	99
11) Trichlorofluoromethane	4.71	101	1500914	9.21	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.32	101	1003227	9.09	ppbv	100
13) Ethanol	4.34	45	65007	9.31	ppbv	99
14) Bromoethene	4.47	108	425720	9.36	ppbv	100
15) Acetone	4.62	43	918479	8.02	ppbv	100
16) 1,3-Butadiene	3.98	39	487263	9.21	ppbv	100
17) tert-Butyl alcohol	5.14	59	732172	10.61	ppbv	100
18) 1,1-Dichloroethene	5.10	96	463174	9.27	ppbv	99
19) Isopropyl Alcohol	4.76	45	454236	10.19	ppbv	99
20) Methylene Chloride	5.17	84	428902	8.80	ppbv	98
21) Allyl Chloride	5.24	41	706066	9.45	ppbv	99
22) trans-1,2-Dichloroethene	5.79	96	591003	9.24	ppbv	98
23) Vinyl Acetate	6.01	43	1889744	9.33	ppbv	100
24) 1,1-Dichloroethane	5.93	63	1271114	9.20	ppbv	99
25) Ethyl Acetate	6.69	43	2003778	9.05	ppbv	100
26) Hexane	6.68	57	973924	9.08	ppbv	99
27) Carbon Disulfide	5.41	76	1287892	10.03	ppbv	100
28) Methyl tert-Butyl Ether	5.98	73	1636590	9.47	ppbv	99
29) Chloroform	6.78	83	1458390	9.18	ppbv	99
30) Cyclohexane	8.31	84	967046	9.47	ppbv	99
31) cis-1,2-Dichloroethene	6.54	61	939202	9.61	ppbv	99
32) 1,1,1-Trichloroethane	7.62	97	1457463	9.60	ppbv	100
34) 2-Butanone	6.22	43	1273355	9.09	ppbv	100
35) Carbon Tetrachloride	8.19	117	1520824	9.54	ppbv	99
36) Benzene	8.05	78	2180776	9.06	ppbv	98
37) 1,2-Dichloroethane	7.40	62	1172061	9.09	ppbv	99
38) Trichloroethene	9.09	130	870647	7.88	ppbv	99
39) 1,2-Dichloropropane	8.85	63	796976	8.91	ppbv	99
40) 1,4-Dioxane	9.15	88	181166	12.31	ppbv #	1
41) Tetrahydrofuran	7.15	42	766306	9.71	ppbv	98
42) Bromodichloromethane	9.06	83	1604157	9.45	ppbv	98
43) Methyl Methacrylate	9.29	69	843675	9.95	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.12	57	3516121	8.78	ppbv	100
45) t-1,3-Dichloropropene	10.68	75	1229092	10.53	ppbv	99
46) cis-1,3-Dichloropropene	10.05	75	1455536	10.16	ppbv	99
47) 1,1,2-Trichloroethane	10.91	97	960164	8.95	ppbv	98
48) Dibromochloromethane	11.84	129	1478451	9.72	ppbv	99
49) Bromoform	14.85	173	1167871	10.20	ppbv	99
50) 4-Methyl-2-Pentanone	10.12	43	1785364	9.64	ppbv	100
51) 2-Hexanone	11.65	43	1696107	10.18	ppbv #	100
52) Tetrachloroethene	12.82	164	921062	7.75	ppbv	98
53) Toluene	11.27	91	2847561	9.18	ppbv	100
54) 1,2-Dibromoethane	12.18	107	1450208	9.02	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.82	131	1073736	9.14	ppbv	98
57) Chlorobenzene	13.85	112	2312974	8.74	ppbv	99
58) Ethyl Benzene	14.44	91	3981187	9.35	ppbv	99
59) m/p-Xylene	14.75	91	6174065	18.07	ppbv	100
60) o-Xylene	15.52	91	3135057	8.76	ppbv	100
61) Styrene	15.35	104	1511579	10.32	ppbv	100
62) Isopropylbenzene	16.58	105	4326513	9.17	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.52	83	2077646	7.81	ppbv	100
64) n-propylbenzene	17.55	120	1174921	9.25	ppbv	97
65) tert-Butylbenzene	18.85	119	3690776	8.87	ppbv	100
66) Benzyl Chloride	19.14	91	1377426	11.14	ppbv	100
67) sec-Butylbenzene	19.44	105	5298671	9.13	ppbv	100
69) p-Isopropyltoluene	19.83	119	4359279	9.39	ppbv	100
70) n-Butylbenzene	20.79	91	4203028	9.44	ppbv	100
71) 2-Chlorotoluene	17.46	91	3219210	9.34	ppbv	99
72) 4-Ethyltoluene	17.85	105	3625159	9.49	ppbv	100
73) 1,3,5-Trimethylbenzene	18.02	105	3349033	9.33	ppbv	98
74) 1,2,4-Trimethylbenzene	18.87	105	3325262	8.83	ppbv	96
75) 1,3-Dichlorobenzene	19.16	146	2139815	8.89	ppbv	100
76) 1,4-Dichlorobenzene	19.31	146	2208927	9.09	ppbv	99
77) 1,2-Dichlorobenzene	20.07	146	2100749	8.92	ppbv	100
78) Hexachloro-1,3-Butadiene	24.70	225	711942	7.53	ppbv	99
79) Naphthalene	23.95	128	2101260	8.89	ppbv	100
80) Naphthalene, 2-methyl-	26.07	142	379984	7.16	ppbv	100
81) 1,2,4-Trichlorobenzene	23.76	180	1007176	8.60	ppbv	100

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

