

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL111115\
 Data File : VL026360.D
 Acq On : 11 Nov 2015 10:36
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

mohammad
 11/12/2015 6:51:46 PM

Quant Time: Nov 12 17:26:16 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 2015
 QLast Update : Thu Oct 29 14:29:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.67	49	506304	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	8.35	114	1452546	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.77	117	1710573m	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.31	95	1000720	7.71	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	77.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.65	85	1161687	10.72	ppbv	100
3) Chlorodifluoromethane	3.57	51	669528	10.50	ppbv	100
4) Chloromethane	3.76	50	391847	10.77	ppbv	99
5) Vinyl Chloride	3.90	62	410255	10.24	ppbv	98
6) Bromomethane	4.15	94	289743	10.95	ppbv	99
7) Chloroethane	4.25	64	172480	10.86	ppbv	99
8) Dichlorotetrafluoroethane	3.81	85	964490	10.49	ppbv	99
9) Propene	3.61	41	330354	10.77	ppbv	99
10) Heptane	9.37	43	1107025	10.70	ppbv	99
11) Trichlorofluoromethane	4.70	101	1081568	10.54	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.31	101	728772	10.64	ppbv	100
13) Ethanol	4.34	45	51152	11.14	ppbv	94
14) Bromoethene	4.46	108	318901	11.06	ppbv	100
15) Acetone	4.61	43	674069	10.06	ppbv	99
16) 1,3-Butadiene	3.98	39	366250	11.08	ppbv	99
17) tert-Butyl alcohol	5.13	59	569032	11.83	ppbv	100
18) 1,1-Dichloroethene	5.09	96	341028	10.97	ppbv	96
19) Isopropyl Alcohol	4.76	45	346525	12.06	ppbv	98
20) Methylene Chloride	5.16	84	316524	10.84	ppbv	97
21) Allyl Chloride	5.24	41	532105	11.26	ppbv	100
22) trans-1,2-Dichloroethene	5.78	96	448562	10.81	ppbv	99
23) Vinyl Acetate	5.99	43	1475186	11.42	ppbv	99
24) 1,1-Dichloroethane	5.92	63	939256	10.58	ppbv	99
25) Ethyl Acetate	6.68	43	1521798	10.90	ppbv	100
26) Hexane	6.67	57	742020	10.85	ppbv	99
27) Carbon Disulfide	5.40	76	956250	11.69	ppbv	100
28) Methyl tert-Butyl Ether	5.96	73	1297856	10.84	ppbv	99
29) Chloroform	6.76	83	1070487	10.57	ppbv	99
30) Cyclohexane	8.30	84	735830	10.95	ppbv	99
31) cis-1,2-Dichloroethene	6.53	61	698432	11.09	ppbv	98
32) 1,1,1-Trichloroethane	7.61	97	1101849	9.83	ppbv	99
34) 2-Butanone	6.21	43	973859	11.11	ppbv	99
35) Carbon Tetrachloride	8.18	117	1128577	10.31	ppbv	98
36) Benzene	8.04	78	1652904	10.75	ppbv	100
37) 1,2-Dichloroethane	7.39	62	863616	10.89	ppbv	99
38) Trichloroethene	9.08	130	674095	9.13	ppbv	99
39) 1,2-Dichloropropane	8.84	63	598302	10.69	ppbv	98
40) 1,4-Dioxane	9.13	88	145710	15.22	ppbv	87
41) Tetrahydrofuran	7.13	42	580238	11.45	ppbv	100
42) Bromodichloromethane	9.04	83	1199100	11.29	ppbv	99
43) Methyl Methacrylate	9.28	69	632490	11.57	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.10	57	2640792	10.53	ppbv	99
45) t-1,3-Dichloropropene	10.67	75	938929	12.19	ppbv	98
46) cis-1,3-Dichloropropene	10.04	75	1088194	11.62	ppbv	98
47) 1,1,2-Trichloroethane	10.90	97	743487	10.99	ppbv	99
48) Dibromochloromethane	11.82	129	1159536	11.98	ppbv	99
49) Bromoform	14.84	173	885539	11.78	ppbv	100
50) 4-Methyl-2-Pentanone	10.10	43	1337146	11.39	ppbv	99
51) 2-Hexanone	11.63	43	1312817	12.28	ppbv #	99
52) Tetrachloroethene	12.81	164	729966	9.41	ppbv	97
53) Toluene	11.26	91	2243601	11.24	ppbv	100
54) 1,2-Dibromoethane	12.16	107	1153412	11.26	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.81	131	820113	10.93	ppbv	94
57) Chlorobenzene	13.83	112	1756061	10.35	ppbv	98
58) Ethyl Benzene	14.43	91	3047436	10.84	ppbv	98
59) m/p-Xylene	14.74	91	4671296	20.98	ppbv #	100
60) o-Xylene	15.51	91	2373642	10.20	ppbv	100
61) Styrene	15.33	104	1157931	11.70	ppbv	99
62) Isopropylbenzene	16.57	105	3332172	10.55	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.51	83	1585747	8.75	ppbv	100
64) n-propylbenzene	17.54	120	913795	10.65	ppbv	96
65) tert-Butylbenzene	18.83	119	2913863	10.22	ppbv	99
66) Benzyl Chloride	19.13	91	1074223	12.08	ppbv	98
67) sec-Butylbenzene	19.43	105	4206255	10.40	ppbv	100
69) p-Isopropyltoluene	19.81	119	3465169	10.52	ppbv	99
70) n-Butylbenzene	20.78	91	3349172	10.69	ppbv	99
71) 2-Chlorotoluene	17.45	91	2499563	10.72	ppbv	100
72) 4-Ethyltoluene	17.84	105	2835116	10.84	ppbv	100
73) 1,3,5-Trimethylbenzene	18.01	105	2664496	10.80	ppbv	98
74) 1,2,4-Trimethylbenzene	18.86	105	2628394	10.18	ppbv	95
75) 1,3-Dichlorobenzene	19.14	146	1699100	10.16	ppbv	100
76) 1,4-Dichlorobenzene	19.30	146	1763338	10.37	ppbv	100
77) 1,2-Dichlorobenzene	20.05	146	1709352	10.25	ppbv	100
78) Hexachloro-1,3-Butadiene	24.69	225	655827	9.70	ppbv	100
79) Naphthalene	23.95	128	2097869	11.36	ppbv	100
80) Naphthalene, 2-methyl-	26.06	142	503429	14.78	ppbv	97
81) 1,2,4-Trichlorobenzene	23.75	180	986123	10.70	ppbv	100

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

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