

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL111115\
 Data File : VL026362.D
 Acq On : 11 Nov 2015 12:24
 Operator : SY/AP
 Sample : VL1111ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1111ABS01

Manual Integrations
 APPROVED

mohammad
 11/12/2015 6:51:49 PM

Quant Time: Nov 12 17:32:52 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	514815	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	8.35	114	1453483	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.77	117	1720942m	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.31	95	1235831	9.47	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.70%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.65	85	1110422	10.07	ppbv	99
3) Chlorodifluoromethane	3.58	51	635746	9.81	ppbv	100
4) Chloromethane	3.76	50	397233	10.73	ppbv	98
5) Vinyl Chloride	3.90	62	410741	10.08	ppbv	99
6) Bromomethane	4.15	94	287896	10.70	ppbv	98
7) Chloroethane	4.25	64	175114	10.84	ppbv	100
8) Dichlorotetrafluoroethane	3.81	85	954282	10.20	ppbv	100
9) Propene	3.60	41	326138	10.45	ppbv	98
10) Heptane	9.37	43	1100947	10.47	ppbv	100
11) Trichlorofluoromethane	4.70	101	1065532	10.21	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.32	101	717853	10.31	ppbv	99
13) Ethanol	4.34	45	41690	8.93	ppbv	98
14) Bromoethene	4.46	108	316103	10.79	ppbv	100
15) Acetone	4.61	43	663984	9.74	ppbv	99
16) 1,3-Butadiene	3.98	39	356020	10.59	ppbv	100
17) tert-Butyl alcohol	5.14	59	532149	10.88	ppbv	99
18) 1,1-Dichloroethene	5.10	96	339498	10.74	ppbv	98
19) Isopropyl Alcohol	4.76	45	307730	10.53	ppbv #	27
20) Methylene Chloride	5.17	84	319004	10.75	ppbv	99
21) Allyl Chloride	5.24	41	528313	11.00	ppbv	99
22) trans-1,2-Dichloroethene	5.78	96	443906	10.52	ppbv	98
23) Vinyl Acetate	6.00	43	1465706	11.16	ppbv	100
24) 1,1-Dichloroethane	5.92	63	934857	10.36	ppbv	99
25) Ethyl Acetate	6.68	43	1522013	10.72	ppbv	100
26) Hexane	6.67	57	747785	10.75	ppbv	100
27) Carbon Disulfide	5.40	76	947406	11.39	ppbv	100
28) Methyl tert-Butyl Ether	5.96	73	1299462	10.67	ppbv	100
29) Chloroform	6.76	83	1081793	10.50	ppbv	100
30) Cyclohexane	8.30	84	723128	10.59	ppbv	99
31) cis-1,2-Dichloroethene	6.53	61	695363	10.86	ppbv	100
32) 1,1,1-Trichloroethane	7.62	97	1083108	9.51	ppbv	99
34) 2-Butanone	6.21	43	952230	10.85	ppbv	99
35) Carbon Tetrachloride	8.18	117	1113095	10.16	ppbv	99
36) Benzene	8.04	78	1646697	10.70	ppbv	98
37) 1,2-Dichloroethane	7.39	62	853596	10.76	ppbv	100
38) Trichloroethene	9.09	130	663484	8.98	ppbv	98
39) 1,2-Dichloropropane	8.84	63	595998	10.64	ppbv	99
40) 1,4-Dioxane	9.13	88	123360	12.88	ppbv	74
41) Tetrahydrofuran	7.13	42	579736	11.43	ppbv	100
42) Bromodichloromethane	9.04	83	1182679	11.13	ppbv	98
43) Methyl Methacrylate	9.28	69	625336	11.43	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.10	57	2620428	10.44	ppbv	99
45) t-1,3-Dichloropropene	10.67	75	928529	12.04	ppbv	98
46) cis-1,3-Dichloropropene	10.04	75	1085922	11.58	ppbv	98
47) 1,1,2-Trichloroethane	10.90	97	720658	10.64	ppbv	99
48) Dibromochloromethane	11.82	129	1119884	11.57	ppbv	100
49) Bromoform	14.84	173	893602	11.88	ppbv	100
50) 4-Methyl-2-Pentanone	10.10	43	1317755	11.22	ppbv	100
51) 2-Hexanone	11.63	43	1266664	11.84	ppbv #	99
52) Tetrachloroethene	12.82	164	735595	9.48	ppbv	99
53) Toluene	11.26	91	2156552	10.79	ppbv	100
54) 1,2-Dibromoethane	12.16	107	1137833	11.10	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.81	131	844965	11.20	ppbv	94
57) Chlorobenzene	13.83	112	1817699	10.65	ppbv	98
58) Ethyl Benzene	14.43	91	3062923	10.83	ppbv	100
59) m/p-Xylene	14.74	91	4667292	20.83	ppbv #	100
60) o-Xylene	15.51	91	2380272	10.16	ppbv	100
61) Styrene	15.33	104	1176903	11.82	ppbv	100
62) Isopropylbenzene	16.57	105	3347096	10.53	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.51	83	1602780	8.80	ppbv	100
64) n-propylbenzene	17.54	120	913729	10.58	ppbv	95
65) tert-Butylbenzene	18.83	119	2898790	10.10	ppbv	99
66) Benzyl Chloride	19.13	91	1082860	12.11	ppbv	98
67) sec-Butylbenzene	19.43	105	4129602	10.15	ppbv	100
69) p-Isopropyltoluene	19.82	119	3436323	10.37	ppbv	99
70) n-Butylbenzene	20.78	91	3302078	10.48	ppbv	100
71) 2-Chlorotoluene	17.45	91	2485994	10.60	ppbv	99
72) 4-Ethyltoluene	17.85	105	2851382	10.84	ppbv	99
73) 1,3,5-Trimethylbenzene	18.01	105	2648579	10.67	ppbv	99
74) 1,2,4-Trimethylbenzene	18.86	105	2616946	10.07	ppbv	97
75) 1,3-Dichlorobenzene	19.14	146	1670590	9.93	ppbv	100
76) 1,4-Dichlorobenzene	19.30	146	1736417	10.15	ppbv	100
77) 1,2-Dichlorobenzene	20.05	146	1694730	10.10	ppbv	100
78) Hexachloro-1,3-Butadiene	24.69	225	649719	9.55	ppbv	100
79) Naphthalene	23.95	128	2114990	11.39	ppbv	99
80) Naphthalene, 2-methyl-	26.07	142	496032	14.47	ppbv	97
81) 1,2,4-Trichlorobenzene	23.75	180	981528	10.58	ppbv	99

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

