

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL020916\
 Data File : VL026852.D
 Acq On : 10 Feb 2016 14:21
 Operator : SY/AP
 Sample : VSTDCCV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCV010EC

Manual Integrations
 APPROVED

MMDadoda
 2/11/2016 1:25:12 PM

Quant Time: Feb 11 01:20:04 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 11
 QLast Update : Wed Feb 10 03:14:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.69	49	1636829	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	5044423	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.79	117	5248836m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.33	95	3564728	9.46	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.60%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.67	85	3662540	10.35	ppbv	99
3) Chlorodifluoromethane	3.59	51	1838724	6.92	ppbv	99
4) Chloromethane	3.78	50	1054595	10.05	ppbv	99
5) Vinyl Chloride	3.91	62	1197377	10.13	ppbv	98
6) Bromomethane	4.17	94	1022698	10.42	ppbv	95
7) Chloroethane	4.26	64	545613	10.52	ppbv	98
8) Dichlorotetrafluoroethane	3.83	85	3317545	10.55	ppbv	94
9) Propene	3.62	41	758479	10.57	ppbv	99
10) Heptane	9.39	43	2774624	11.81	ppbv	98
11) Trichlorofluoromethane	4.72	101	4406917	10.50	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.33	101	3209062	10.80	ppbv	95
13) Ethanol	4.35	45	92255	7.48	ppbv	94
14) Bromoethene	4.48	108	1236400	11.37	ppbv	99
15) Acetone	4.62	43	1888485	8.40	ppbv	99
16) 1,3-Butadiene	4.00	39	887270	10.10	ppbv	97
17) tert-Butyl alcohol	5.15	59	1785470	12.03	ppbv	100
18) 1,1-Dichloroethene	5.11	96	1395841	11.22	ppbv	95
19) Isopropyl Alcohol	4.78	45	867322	10.81	ppbv	100
20) Methylene Chloride	5.18	84	1217904	10.45	ppbv	93
21) Allyl Chloride	5.26	41	1381771	9.95	ppbv	95
22) trans-1,2-Dichloroethene	5.79	96	1378280	12.27	ppbv	94
23) Vinyl Acetate	6.01	43	3318198	10.88	ppbv	99
24) 1,1-Dichloroethane	5.94	63	2692038	11.04	ppbv	99
25) Ethyl Acetate	6.70	43	3929733	11.65	ppbv	99
26) Hexane	6.69	57	2157353	11.34	ppbv	96
27) Carbon Disulfide	5.42	76	3608523	11.01	ppbv	98
28) Methyl tert-Butyl Ether	5.98	73	3551047	11.95	ppbv	99
29) Chloroform	6.78	83	3417309	11.55	ppbv	99
30) Cyclohexane	8.32	84	2032379	13.13	ppbv	92
31) cis-1,2-Dichloroethene	6.55	61	1932420	12.17	ppbv	94
32) 1,1,1-Trichloroethane	7.63	97	3491664	11.73	ppbv	98
34) 2-Butanone	6.23	43	2390198	9.67	ppbv	96
35) Carbon Tetrachloride	8.20	117	3864770	10.54	ppbv	99
36) Benzene	8.06	78	4474816	11.18	ppbv	98
37) 1,2-Dichloroethane	7.41	62	2491196	9.94	ppbv	97
38) Trichloroethene	9.10	130	2282075	12.37	ppbv	97
39) 1,2-Dichloropropane	8.87	63	1591247	10.52	ppbv	97
40) 1,4-Dioxane	9.15	88	287899	10.73	ppbv #	51
41) Tetrahydrofuran	7.15	42	1348527	11.08	ppbv	93
42) Bromodichloromethane	9.07	83	3700810	10.97	ppbv	98
43) Methyl Methacrylate	9.31	69	1702621	12.13	ppbv	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.12	57	7225470	10.56	ppbv	98
45) t-1,3-Dichloropropene	10.70	75	2476445	13.12	ppbv	99
46) cis-1,3-Dichloropropene	10.06	75	2969282	12.92	ppbv	94
47) 1,1,2-Trichloroethane	10.92	97	1974584	11.79	ppbv	99
48) Dibromochloromethane	11.85	129	3493510	12.77	ppbv #	10
49) Bromoform	14.86	173	2929070	14.21	ppbv	100
50) 4-Methyl-2-Pentanone	10.13	43	3291612	11.29	ppbv	96
51) 2-Hexanone	11.65	43	3041126	12.44	ppbv	93
52) Tetrachloroethene	12.83	164	2137559	13.57	ppbv	97
53) Toluene	11.28	91	5739050	12.74	ppbv	99
54) 1,2-Dibromoethane	12.19	107	3090165	12.40	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.83	131	2629405	11.37	ppbv	99
57) Chlorobenzene	13.86	112	4924211	11.34	ppbv	96
58) Ethyl Benzene	14.46	91	7552655	11.95	ppbv	98
59) m/p-Xylene	14.77	91	12287680	22.76	ppbv	96
60) o-Xylene	15.54	91	6787156	11.49	ppbv	97
61) Styrene	15.36	104	2708348	13.55	ppbv	97
62) Isopropylbenzene	16.59	105	8264151	11.65	ppbv	97
63) 1,1,2,2-Tetrachloroethane	15.54	83	4650736	11.53	ppbv	99
64) n-propylbenzene	17.57	120	2257330	12.38	ppbv	92
65) tert-Butylbenzene	18.86	119	8210177	12.57	ppbv	96
66) Benzyl Chloride	19.16	91	3083931	14.54	ppbv	98
67) sec-Butylbenzene	19.46	105	10134008	11.91	ppbv	97
69) p-Isopropyltoluene	19.84	119	8732940	12.67	ppbv	98
70) n-Butylbenzene	20.80	91	8062179	12.27	ppbv	97
71) 2-Chlorotoluene	17.47	91	5934548	12.26	ppbv	95
72) 4-Ethyltoluene	17.87	105	6906603	12.69	ppbv	98
73) 1,3,5-Trimethylbenzene	18.04	105	6541616	12.34	ppbv	97
74) 1,2,4-Trimethylbenzene	18.88	105	7258327	12.04	ppbv	95
75) 1,3-Dichlorobenzene	19.17	146	4612224	12.63	ppbv	99
76) 1,4-Dichlorobenzene	19.32	146	4565435	12.78	ppbv	98
77) 1,2-Dichlorobenzene	20.08	146	4421928	12.74	ppbv	99
78) Hexachloro-1,3-Butadiene	24.71	225	2164946	13.13	ppbv	100
79) Naphthalene	23.97	128	4455660	15.39	ppbv	99
80) Naphthalene, 2-methyl-	26.09	142	975671	8.30	ppbv	98
81) 1,2,4-Trichlorobenzene	23.77	180	2260919	14.45	ppbv	100

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

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