

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL011216\
 Data File : VL026670.D
 Acq On : 12 Jan 2016 11:09
 Operator : SY/AP
 Sample : VL0112ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0112ABS01

Manual Integrations
 APPROVED

mohammad
 1/13/2016 2:36:26 PM

Quant Time: Jan 13 04:27:18 2016
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 13 2016
 QLast Update : Mon Jan 11 17:14:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.67	49	807030	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	8.34	114	2494563	10.00	ppbv	0.03
55) Chlorobenzene-d5	13.76	117	3197930m	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.31	95	2605157	10.22	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.65	85	2188329	10.20	ppbv	99
3) Chlorodifluoromethane	3.58	51	998377	9.29	ppbv	99
4) Chloromethane	3.76	50	490949	9.34	ppbv	98
5) Vinyl Chloride	3.90	62	570076	8.95	ppbv	100
6) Bromomethane	4.15	94	468252	10.33	ppbv	100
7) Chloroethane	4.24	64	257385	10.00	ppbv	97
8) Dichlorotetrafluoroethane	3.81	85	1661065	9.85	ppbv	99
9) Propene	3.60	41	353731	9.16	ppbv	96
10) Heptane	9.37	43	1328380	9.23	ppbv	95
11) Trichlorofluoromethane	4.70	101	2263070	10.17	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.31	101	1358649	9.94	ppbv	100
13) Ethanol	4.34	45	48040	6.55	ppbv	97
14) Bromoethene	4.46	108	503245	10.22	ppbv	98
15) Acetone	4.61	43	1114128	8.39	ppbv	99
16) 1,3-Butadiene	3.98	39	515481	9.73	ppbv	100
17) tert-Butyl alcohol	5.14	59	933714	9.33	ppbv	100
18) 1,1-Dichloroethene	5.09	96	574413	10.08	ppbv	99
19) Isopropyl Alcohol	4.76	45	471287	8.61	ppbv #	97
20) Methylene Chloride	5.16	84	515316	9.46	ppbv	97
21) Allyl Chloride	5.23	41	780776	9.59	ppbv	97
22) trans-1,2-Dichloroethene	5.78	96	640905	9.85	ppbv	96
23) Vinyl Acetate	5.99	43	1856718	9.11	ppbv	98
24) 1,1-Dichloroethane	5.92	63	1404924	9.56	ppbv	100
25) Ethyl Acetate	6.68	43	1933767	9.44	ppbv	100
26) Hexane	6.67	57	998121	9.42	ppbv	97
27) Carbon Disulfide	5.40	76	1635062	10.38	ppbv	99
28) Methyl tert-Butyl Ether	5.96	73	2086985	9.91	ppbv	99
29) Chloroform	6.76	83	1863762	9.69	ppbv	99
30) Cyclohexane	8.29	84	1068857	10.22	ppbv	96
31) cis-1,2-Dichloroethene	6.53	61	1064780	9.97	ppbv	97
32) 1,1,1-Trichloroethane	7.61	97	2051766	9.45	ppbv	99
34) 2-Butanone	6.21	43	1138813	8.56	ppbv	97
35) Carbon Tetrachloride	8.17	117	2051941	9.35	ppbv	99
36) Benzene	8.04	78	2378415	9.26	ppbv	99
37) 1,2-Dichloroethane	7.38	62	1649161	9.39	ppbv	100
38) Trichloroethene	9.08	130	939509	8.20	ppbv	98
39) 1,2-Dichloropropane	8.84	63	795966	8.97	ppbv	96
40) 1,4-Dioxane	9.13	88	165221	8.10	ppbv #	1
41) Tetrahydrofuran	7.13	42	607963	9.23	ppbv	98
42) Bromodichloromethane	9.04	83	2174656	9.59	ppbv	98
43) Methyl Methacrylate	9.28	69	917831	9.79	ppbv	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.10	57	3665362	8.84	ppbv	100
45) t-1,3-Dichloropropene	10.66	75	1588778	10.47	ppbv	99
46) cis-1,3-Dichloropropene	10.04	75	1738773	10.07	ppbv	95
47) 1,1,2-Trichloroethane	10.90	97	1148379	9.08	ppbv	98
48) Dibromochloromethane	11.82	129	1853128	9.76	ppbv	100
49) Bromoform	14.83	173	1500073	9.69	ppbv	99
50) 4-Methyl-2-Pentanone	10.10	43	1715891	9.18	ppbv	99
51) 2-Hexanone	11.63	43	1660418	9.64	ppbv #	98
52) Tetrachloroethene	12.80	164	1060690	8.26	ppbv	99
53) Toluene	11.25	91	3404430	9.41	ppbv	100
54) 1,2-Dibromoethane	12.16	107	1793252	8.95	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.80	131	1380733	9.38	ppbv	98
57) Chlorobenzene	13.83	112	2826344	8.58	ppbv	98
58) Ethyl Benzene	14.43	91	5430382	9.51	ppbv	100
59) m/p-Xylene	14.73	91	8400501m	17.84	ppbv	
60) o-Xylene	15.51	91	4319742	8.49	ppbv	99
61) Styrene	15.33	104	2055419	10.34	ppbv	98
62) Isopropylbenzene	16.56	105	6061653	9.00	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.50	83	2710366	7.15	ppbv	99
64) n-propylbenzene	17.54	120	1619466	8.96	ppbv	99
65) tert-Butylbenzene	18.83	119	5142105	8.33	ppbv	99
66) Benzyl Chloride	19.12	91	2061109	9.35	ppbv	100
67) sec-Butylbenzene	19.43	105	7927902	8.66	ppbv	99
69) p-Isopropyltoluene	19.81	119	6240272	8.91	ppbv	99
70) n-Butylbenzene	20.77	91	6452972	8.85	ppbv	100
71) 2-Chlorotoluene	17.44	91	4912492	9.36	ppbv	98
72) 4-Ethyltoluene	17.84	105	5237751	9.21	ppbv	100
73) 1,3,5-Trimethylbenzene	18.00	105	4803964	8.91	ppbv	97
74) 1,2,4-Trimethylbenzene	18.85	105	4675946	8.17	ppbv #	90
75) 1,3-Dichlorobenzene	19.14	146	2913853	8.24	ppbv	99
76) 1,4-Dichlorobenzene	19.29	146	3059938	8.43	ppbv	99
77) 1,2-Dichlorobenzene	20.05	146	2982596	8.31	ppbv	99
78) Hexachloro-1,3-Butadiene	24.69	225	935991	6.39	ppbv	100
79) Naphthalene	23.95	128	2600628	6.73	ppbv	100
80) Naphthalene,2-methyl-	26.07	142	345835	5.77	ppbv	99
81) 1,2,4-Trichlorobenzene	23.75	180	1251658	7.12	ppbv	99

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

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