

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026653.D
 Acq On : 8 Jan 2016 19:20
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC015

Manual Integrations
 APPROVED

apatel
 1/11/2016 5:13:44 PM

Quant Time: Jan 08 23:15:52 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 08
 QLast Update : Fri Jan 08 22:06:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.64	49	770895	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.31	114	2376958	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.73	117	3228946m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.27	95	2594449	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.63	85	3197684	15.59	ppbv	99
3) Chlorodifluoromethane	3.56	51	1410008	14.47	ppbv	95
4) Chloromethane	3.74	50	655640	13.03	ppbv	95
5) Vinyl Chloride	3.87	62	785181	13.83	ppbv	100
6) Bromomethane	4.13	94	621411	14.62	ppbv	98
7) Chloroethane	4.23	64	346180	13.63	ppbv	99
8) Dichlorotetrafluoroethane	3.79	85	2331742	14.91	ppbv	100
9) Propene	3.58	41	470097	12.62	ppbv	100
10) Heptane	9.34	43	1900000	14.04	ppbv	95
11) Trichlorofluoromethane	4.68	101	3313304	16.24	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.29	101	1961877	15.72	ppbv	98
13) Ethanol	4.31	45	89132	11.33	ppbv	96
14) Bromoethene	4.43	108	709168	15.05	ppbv	98
15) Acetone	4.59	43	1648945	14.63	ppbv	99
16) 1,3-Butadiene	3.95	39	704532	13.97	ppbv	97
17) tert-Butyl alcohol	5.11	59	1534628	14.66	ppbv	99
18) 1,1-Dichloroethene	5.07	96	816484	15.20	ppbv	100
19) Isopropyl Alcohol	4.73	45	757792	12.30	ppbv	100
20) Methylene Chloride	5.14	84	748554	15.31	ppbv	98
21) Allyl Chloride	5.21	41	1129640	14.52	ppbv	92
22) trans-1,2-Dichloroethene	5.75	96	900301	14.57	ppbv	97
23) Vinyl Acetate	5.97	43	2935237	14.42	ppbv	99
24) 1,1-Dichloroethane	5.90	63	1967278	14.40	ppbv	99
25) Ethyl Acetate	6.65	43	2833011	14.35	ppbv	100
26) Hexane	6.64	57	1439188	14.58	ppbv	98
27) Carbon Disulfide	5.37	76	2356452	15.03	ppbv	97
28) Methyl tert-Butyl Ether	5.93	73	3024198	14.87	ppbv	98
29) Chloroform	6.73	83	2801216	15.94	ppbv	99
30) Cyclohexane	8.26	84	1478167	14.67	ppbv	96
31) cis-1,2-Dichloroethene	6.50	61	1547088	14.75	ppbv	99
32) 1,1,1-Trichloroethane	7.58	97	3085439	16.26	ppbv	99
34) 2-Butanone	6.18	43	1675597	13.45	ppbv	97
35) Carbon Tetrachloride	8.15	117	3104046	15.85	ppbv	99
36) Benzene	8.01	78	3333585	13.89	ppbv	98
37) 1,2-Dichloroethane	7.36	62	2535985	15.50	ppbv	98
38) Trichloroethene	9.05	130	1294598	13.88	ppbv	98
39) 1,2-Dichloropropane	8.81	63	1129560	13.61	ppbv	92
40) 1,4-Dioxane	9.09	88	325829	12.38	ppbv	81
41) Tetrahydrofuran	7.10	42	876732	13.27	ppbv	97
42) Bromodichloromethane	9.01	83	3225290	15.14	ppbv	99
43) Methyl Methacrylate	9.25	69	1355857	14.33	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.07	57	5084270	13.51	ppbv	97
45) t-1,3-Dichloropropene	10.63	75	2467046	15.15	ppbv	98
46) cis-1,3-Dichloropropene	10.00	75	2606845	14.78	ppbv	97
47) 1,1,2-Trichloroethane	10.86	97	1683095	14.57	ppbv	99
48) Dibromochloromethane	11.79	129	2838141	15.50	ppbv	100
49) Bromoform	14.80	173	2376145	15.52	ppbv	99
50) 4-Methyl-2-Pentanone	10.07	43	2552848	13.86	ppbv	99
51) 2-Hexanone	11.59	43	2562444	14.25	ppbv #	100
52) Tetrachloroethene	12.77	164	1548268	14.74	ppbv	98
53) Toluene	11.21	91	4982460	14.55	ppbv	100
54) 1,2-Dibromoethane	12.12	107	2746509	15.08	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.77	131	2032684	14.26	ppbv	88
57) Chlorobenzene	13.79	112	4097638	13.60	ppbv	99
58) Ethyl Benzene	14.39	91	7962982	13.82	ppbv	100
59) m/p-Xylene	14.69	91	12251889	27.42	ppbv	100
60) o-Xylene	15.47	91	6341133	13.70	ppbv	99
61) Styrene	15.29	104	3152580	14.31	ppbv	99
62) Isopropylbenzene	16.52	105	9001606	13.97	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.47	83	3995672	13.48	ppbv	99
64) n-propylbenzene	17.50	120	2422331	14.18	ppbv	93
65) tert-Butylbenzene	18.79	119	7455878	13.89	ppbv	98
66) Benzyl Chloride	19.08	91	3652608	14.66	ppbv	99
67) sec-Butylbenzene	19.39	105	11640745	13.94	ppbv	99
69) p-Isopropyltoluene	19.77	119	9349839	14.23	ppbv	99
70) n-Butylbenzene	20.74	91	9880127	14.28	ppbv	99
71) 2-Chlorotoluene	17.41	91	7419733	14.15	ppbv	99
72) 4-Ethyltoluene	17.80	105	8018511	14.23	ppbv	99
73) 1,3,5-Trimethylbenzene	17.97	105	7425592	14.34	ppbv	100
74) 1,2,4-Trimethylbenzene	18.82	105	6966468	13.81	ppbv	97
75) 1,3-Dichlorobenzene	19.10	146	4446774	14.15	ppbv	99
76) 1,4-Dichlorobenzene	19.25	146	4764037	14.40	ppbv	100
77) 1,2-Dichlorobenzene	20.00	146	4792476	14.60	ppbv	99
78) Hexachloro-1,3-Butadiene	24.65	225	1798500	13.74	ppbv	99
79) Naphthalene	23.91	128	5852747	14.82	ppbv	99
80) Naphthalene, 2-methyl-	26.02	142	828078	8.21	ppbv #	94
81) 1,2,4-Trichlorobenzene	23.71	180	2510688	14.73	ppbv	99

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

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