

Data Path : W:\HPCHEM1\MSVOA L\Data\VL102015\
 Data File : VL026231.D
 Acq On : 21 Oct 2015 7:32
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 10/22/2015 4:33:26 PM

Quant Time: Oct 21 08:24:00 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 21 08:24:00 2015
 QLast Update : Wed Oct 21 01:20:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	505427	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.31	114	1567591	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.72	117	1927734m	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.26	95	1503076	10.11	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.62	85	1137082	10.86	ppbv	99
3) Chlorodifluoromethane	3.56	51	641518	10.02	ppbv	100
4) Chloromethane	3.73	50	363720	10.53	ppbv	99
5) Vinyl Chloride	3.87	62	383009	10.54	ppbv	99
6) Bromomethane	4.12	94	279900	10.73	ppbv	95
7) Chloroethane	4.22	64	164908	10.81	ppbv	99
8) Dichlorotetrafluoroethane	3.79	85	924706	10.27	ppbv	99
9) Propene	3.58	41	296156	9.89	ppbv	100
10) Heptane	9.33	43	996468	9.94	ppbv	99
11) Trichlorofluoromethane	4.68	101	1100338	10.71	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.29	101	732933	10.45	ppbv	99
13) Ethanol	4.32	45	57706	12.84	ppbv	98
14) Bromoethene	4.43	108	317982	10.74	ppbv	99
15) Acetone	4.59	43	667628	8.97	ppbv	100
16) 1,3-Butadiene	3.95	39	338083	10.19	ppbv	99
17) tert-Butyl alcohol	5.12	59	519089	10.21	ppbv	96
18) 1,1-Dichloroethene	5.07	96	340350	10.75	ppbv	98
19) Isopropyl Alcohol	4.74	45	339579	11.67	ppbv	95
20) Methylene Chloride	5.13	84	309934	10.44	ppbv	97
21) Allyl Chloride	5.21	41	515002	10.60	ppbv	99
22) trans-1,2-Dichloroethene	5.74	96	421890	10.33	ppbv	99
23) Vinyl Acetate	5.96	43	1400780	10.21	ppbv	100
24) 1,1-Dichloroethane	5.89	63	877590	10.14	ppbv	100
25) Ethyl Acetate	6.65	43	1390464	9.97	ppbv	100
26) Hexane	6.63	57	685175	9.83	ppbv	100
27) Carbon Disulfide	5.37	76	957433	10.74	ppbv	100
28) Methyl tert-Butyl Ether	5.93	73	1275564	10.07	ppbv	100
29) Chloroform	6.73	83	1035223	10.23	ppbv	100
30) Cyclohexane	8.26	84	693037	9.94	ppbv	100
31) cis-1,2-Dichloroethene	6.49	61	649057	10.26	ppbv	99
32) 1,1,1-Trichloroethane	7.57	97	1097186	9.78	ppbv	99
34) 2-Butanone	6.18	43	867636	9.79	ppbv	99
35) Carbon Tetrachloride	8.13	117	1145262	9.59	ppbv	98
36) Benzene	8.00	78	1541782	9.66	ppbv	99
37) 1,2-Dichloroethane	7.35	62	836994	10.20	ppbv	100
38) Trichloroethene	9.04	130	641673	8.28	ppbv	98
39) 1,2-Dichloropropane	8.81	63	550094	9.80	ppbv	99
40) 1,4-Dioxane	9.10	88	149488	14.17	ppbv	92
41) Tetrahydrofuran	7.10	42	511224	9.97	ppbv	99
42) Bromodichloromethane	9.00	83	1170121	9.91	ppbv	99
43) Methyl Methacrylate	9.24	69	597434	10.28	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.06	57	2446003	9.46	ppbv	100
45) t-1,3-Dichloropropene	10.63	75	942384	10.39	ppbv	100
46) cis-1,3-Dichloropropene	9.99	75	1076050	10.14	ppbv	100
47) 1,1,2-Trichloroethane	10.85	97	699965	9.92	ppbv	99
48) Dibromochloromethane	11.77	129	1158237	10.08	ppbv	100
49) Bromoform	14.79	173	966368	9.95	ppbv	100
50) 4-Methyl-2-Pentanone	10.07	43	1227911	10.27	ppbv	99
51) 2-Hexanone	11.60	43	1176300	10.53	ppbv #	100
52) Tetrachloroethene	12.76	164	989287	10.80	ppbv	99
53) Toluene	11.21	91	2101737	9.68	ppbv	99
54) 1,2-Dibromoethane	12.12	107	1077063	9.87	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.76	131	831999	9.00	ppbv	99
57) Chlorobenzene	13.79	112	1730381	9.38	ppbv	99
58) Ethyl Benzene	14.38	91	3017888	9.66	ppbv	100
59) m/p-Xylene	14.68	91	4651876	19.02	ppbv	99
60) o-Xylene	15.46	91	2382073	9.32	ppbv	99
61) Styrene	15.28	104	1200433	10.38	ppbv	99
62) Isopropylbenzene	16.51	105	3369484	9.47	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.46	83	1551291	9.17	ppbv	100
64) n-propylbenzene	17.49	120	936079	9.57	ppbv	95
65) tert-Butylbenzene	18.78	119	2917705	8.98	ppbv	100
66) Benzyl Chloride	19.07	91	1318611	9.84	ppbv	100
67) sec-Butylbenzene	19.38	105	4228931	9.34	ppbv	100
69) p-Isopropyltoluene	19.75	119	3509415	9.27	ppbv	100
70) n-Butylbenzene	20.72	91	3294503	9.52	ppbv	99
71) 2-Chlorotoluene	17.39	91	2497388	9.53	ppbv	99
72) 4-Ethyltoluene	17.79	105	2876851	9.67	ppbv	100
73) 1,3,5-Trimethylbenzene	17.96	105	2657297	9.58	ppbv	100
74) 1,2,4-Trimethylbenzene	18.80	105	2598253	9.04	ppbv	96
75) 1,3-Dichlorobenzene	19.09	146	1733744	9.23	ppbv	100
76) 1,4-Dichlorobenzene	19.24	146	1824998	9.30	ppbv	100
77) 1,2-Dichlorobenzene	19.99	146	1763553	9.31	ppbv	100
78) Hexachloro-1,3-Butadiene	24.64	225	720946	7.42	ppbv	99
79) Naphthalene	23.90	128	2228062	8.79	ppbv	100
80) Naphthalene, 2-methyl-	26.01	142	592337	13.02	ppbv	100
81) 1,2,4-Trichlorobenzene	23.70	180	1011494	8.29	ppbv	100

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

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