

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL020916\
 Data File : VL026829.D
 Acq On : 9 Feb 2016 20:48
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 2/11/2016 1:23:22 PM

Quant Time: Feb 10 03:01:17 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 03:01:17 2016
 QLast Update : Wed Feb 10 02:03:34 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.70	49	1708507	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	4721391	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.80	117	4618972m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.35	95	3308871	8.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.67	85	4292670	7.91	ppbv	98
3) Chlorodifluoromethane	3.59	51	2555789	7.79	ppbv	99
4) Chloromethane	3.78	50	1494480	14.73	ppbv	100
5) Vinyl Chloride	3.92	62	1693118	14.08	ppbv	99
6) Bromomethane	4.17	94	1486577	14.35	ppbv	98
7) Chloroethane	4.27	64	771526	13.94	ppbv	99
8) Dichlorotetrafluoroethane	3.83	85	4578510	11.54	ppbv	95
9) Propene	3.62	41	1076903	16.03	ppbv	98
10) Heptane	9.40	43	3943101	15.32	ppbv	97
11) Trichlorofluoromethane	4.73	101	6076178	9.73	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	5.34	101	4515911	12.31	ppbv	97
13) Ethanol	4.36	45	112721	7.30	ppbv	96
14) Bromoethene	4.48	108	1711726	14.44	ppbv	100
15) Acetone	4.63	43	2658640	6.62	ppbv	99
16) 1,3-Butadiene	4.00	39	1279444	11.63	ppbv	98
17) tert-Butyl alcohol	5.15	59	2691153	12.48	ppbv	99
18) 1,1-Dichloroethene	5.12	96	1954765	13.88	ppbv	94
19) Isopropyl Alcohol	4.78	45	1158281	10.94	ppbv	99
20) Methylene Chloride	5.18	84	1717353	13.15	ppbv	96
21) Allyl Chloride	5.26	41	2076038	12.21	ppbv	98
22) trans-1,2-Dichloroethene	5.80	96	1868388	13.90	ppbv	97
23) Vinyl Acetate	6.02	43	4796247	11.23	ppbv	99
24) 1,1-Dichloroethane	5.95	63	3761299	12.54	ppbv	99
25) Ethyl Acetate	6.71	43	5609940	14.17	ppbv	99
26) Hexane	6.70	57	3081179	15.64	ppbv	97
27) Carbon Disulfide	5.42	76	5120822	13.05	ppbv	99
28) Methyl tert-Butyl Ether	5.99	73	4905662	11.18	ppbv	100
29) Chloroform	6.79	83	4687332	10.64	ppbv	97
30) Cyclohexane	8.32	84	2755677	13.58	ppbv	95
31) cis-1,2-Dichloroethene	6.56	61	2721325	12.72	ppbv	97
32) 1,1,1-Trichloroethane	7.64	97	4837041	9.63	ppbv	99
34) 2-Butanone	6.24	43	3397802	15.47	ppbv	98
35) Carbon Tetrachloride	8.21	117	5358484	11.43	ppbv	99
36) Benzene	8.07	78	5930022	14.98	ppbv	99
37) 1,2-Dichloroethane	7.42	62	3491596	10.26	ppbv	99
38) Trichloroethene	9.11	130	3138166	16.78	ppbv	97
39) 1,2-Dichloropropane	8.87	63	2172716	16.33	ppbv	97
40) 1,4-Dioxane	9.16	88	318280	9.77	ppbv #	1
41) Tetrahydrofuran	7.16	42	1912079	19.27	ppbv	97
42) Bromodichloromethane	9.07	83	5140616	11.65	ppbv	99
43) Methyl Methacrylate	9.31	69	2348967	15.42	ppbv	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.13	57	9729055	15.46	ppbv	97
45) t-1,3-Dichloropropene	10.70	75	3411987	12.94	ppbv	99
46) cis-1,3-Dichloropropene	10.07	75	4030792	14.28	ppbv	97
47) 1,1,2-Trichloroethane	10.93	97	2596670	12.34	ppbv	99
48) Dibromochloromethane	11.85	129	4629839	11.68	ppbv	100
49) Bromoform	14.87	173	3800676	11.17	ppbv	99
50) 4-Methyl-2-Pentanone	10.13	43	4627742	15.15	ppbv	98
51) 2-Hexanone	11.66	43	4246997	14.45	ppbv #	96
52) Tetrachloroethene	12.84	164	2814430	12.66	ppbv	99
53) Toluene	11.29	91	7435648	12.79	ppbv	98
54) 1,2-Dibromoethane	12.19	107	4019754	11.28	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.84	131	3559766	14.59	ppbv	89
57) Chlorobenzene	13.87	112	6490497	13.89	ppbv	98
58) Ethyl Benzene	14.46	91	9702756	12.82	ppbv	94
59) m/p-Xylene	14.77	91	15792157	23.83	ppbv	94
60) o-Xylene	15.54	91	9044195	12.35	ppbv	96
61) Styrene	15.36	104	3584516	13.61	ppbv	98
62) Isopropylbenzene	16.60	105	10575866	11.07	ppbv	96
63) 1,1,2,2-Tetrachloroethane	15.54	83	6130580	12.97	ppbv	99
64) n-propylbenzene	17.58	120	2965041	11.07	ppbv	86
65) tert-Butylbenzene	18.87	119	10791672	11.17	ppbv	99
66) Benzyl Chloride	19.16	91	4040501	11.10	ppbv	98
67) sec-Butylbenzene	19.47	105	12732928	9.01	ppbv	95
69) p-Isopropyltoluene	19.85	119	11236273	9.84	ppbv	97
70) n-Butylbenzene	20.81	91	10465491	8.82	ppbv	95
71) 2-Chlorotoluene	17.48	91	7746160	10.43	ppbv	95
72) 4-Ethyltoluene	17.88	105	8833510	10.60	ppbv	98
73) 1,3,5-Trimethylbenzene	18.04	105	8459025	10.32	ppbv	95
74) 1,2,4-Trimethylbenzene	18.89	105	9616693	10.61	ppbv	98
75) 1,3-Dichlorobenzene	19.18	146	5937137	9.96	ppbv	99
76) 1,4-Dichlorobenzene	19.33	146	5842270	9.79	ppbv	99
77) 1,2-Dichlorobenzene	20.08	146	5633498	9.11	ppbv	99
78) Hexachloro-1,3-Butadiene	24.71	225	2515288	8.32	ppbv	100
79) Naphthalene	23.97	128	4777793	6.10	ppbv	98
80) Naphthalene, 2-methyl-	26.09	142	1704161	12.57	ppbv	99
81) 1,2,4-Trichlorobenzene	23.78	180	2653199	7.71	ppbv	99

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

