

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL020916\
 Data File : VL026831.D
 Acq On : 9 Feb 2016 22:05
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVV020916

Manual Integrations
 APPROVED

MMDadoda
 2/11/2016 1:23:28 PM

Quant Time: Feb 10 03:50:12 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 03:50:12 2016
 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	6.70	49	1731738	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	4894103	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.80	117	4922498m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.34	95	3353802	9.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.67	85	3700369	9.88	ppbv	99
3) Chlorodifluoromethane	3.60	51	1756785	6.25	ppbv	100
4) Chloromethane	3.78	50	1051786	9.47	ppbv	99
5) Vinyl Chloride	3.92	62	1176698	9.41	ppbv	100
6) Bromomethane	4.17	94	1026380	9.89	ppbv	98
7) Chloroethane	4.27	64	533782	9.73	ppbv	98
8) Dichlorotetrafluoroethane	3.84	85	3218582	9.68	ppbv	97
9) Propene	3.62	41	753624	9.93	ppbv	98
10) Heptane	9.40	43	2653852	10.68	ppbv	98
11) Trichlorofluoromethane	4.73	101	4205369	9.47	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.34	101	3061321	9.74	ppbv	97
13) Ethanol	4.36	45	114398	8.76	ppbv	96
14) Bromoethene	4.48	108	1171540	10.18	ppbv	99
15) Acetone	4.64	43	1797495	7.56	ppbv	98
16) 1,3-Butadiene	4.00	39	884636	9.52	ppbv	98
17) tert-Butyl alcohol	5.17	59	1501460	9.56	ppbv	97
18) 1,1-Dichloroethene	5.12	96	1316997	10.00	ppbv	96
19) Isopropyl Alcohol	4.79	45	854797	10.07	ppbv	99
20) Methylene Chloride	5.18	84	1169277	9.49	ppbv	96
21) Allyl Chloride	5.26	41	1387538	9.45	ppbv	98
22) trans-1,2-Dichloroethene	5.80	96	1266317	10.66	ppbv	98
23) Vinyl Acetate	6.03	43	3335869	10.34	ppbv	99
24) 1,1-Dichloroethane	5.95	63	2565681	9.95	ppbv	99
25) Ethyl Acetate	6.71	43	3845318	10.77	ppbv	99
26) Hexane	6.70	57	2093720	10.41	ppbv	97
27) Carbon Disulfide	5.43	76	3518605	10.15	ppbv	98
28) Methyl tert-Butyl Ether	5.99	73	3352499	10.66	ppbv	100
29) Chloroform	6.79	83	3168996	10.12	ppbv	99
30) Cyclohexane	8.33	84	1854293	11.33	ppbv	95
31) cis-1,2-Dichloroethene	6.56	61	1821825	10.85	ppbv	94
32) 1,1,1-Trichloroethane	7.64	97	3203817	10.17	ppbv	99
34) 2-Butanone	6.24	43	2268954	9.46	ppbv	97
35) Carbon Tetrachloride	8.21	117	3511537	9.87	ppbv	100
36) Benzene	8.07	78	4078482	10.50	ppbv	98
37) 1,2-Dichloroethane	7.42	62	2308137	9.49	ppbv	98
38) Trichloroethene	9.11	130	1988221	11.11	ppbv	99
39) 1,2-Dichloropropane	8.87	63	1460639	9.95	ppbv	97
40) 1,4-Dioxane	9.16	88	346410	13.30	ppbv	89
41) Tetrahydrofuran	7.17	42	1277268	10.82	ppbv	97
42) Bromodichloromethane	9.07	83	3350465	10.24	ppbv	99
43) Methyl Methacrylate	9.31	69	1555887	11.43	ppbv	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.13	57	6902485	10.40	ppbv	98
45) t-1,3-Dichloropropene	10.70	75	2158825	11.79	ppbv	99
46) cis-1,3-Dichloropropene	10.07	75	2607592	11.69	ppbv	96
47) 1,1,2-Trichloroethane	10.93	97	1708104	10.51	ppbv	99
48) Dibromochloromethane	11.85	129	2943750	11.09	ppbv	99
49) Bromoform	14.87	173	2355011	11.78	ppbv	100
50) 4-Methyl-2-Pentanone	10.13	43	3046788	10.77	ppbv	98
51) 2-Hexanone	11.66	43	2723565	11.49	ppbv	96
52) Tetrachloroethene	12.84	164	1797370	11.76	ppbv	98
53) Toluene	11.29	91	5047363	11.55	ppbv	99
54) 1,2-Dibromoethane	12.19	107	2590201	10.72	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.84	131	2249739	10.37	ppbv	98
57) Chlorobenzene	13.87	112	4182884	10.27	ppbv	98
58) Ethyl Benzene	14.46	91	6593450	11.12	ppbv	100
59) m/p-Xylene	14.77	91	10792860	21.32	ppbv	98
60) o-Xylene	15.54	91	5881600	10.62	ppbv	98
61) Styrene	15.36	104	2298949	12.26	ppbv	98
62) Isopropylbenzene	16.60	105	7116946	10.70	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.54	83	3855912	10.19	ppbv	99
64) n-propylbenzene	17.57	120	1867436	10.92	ppbv	98
65) tert-Butylbenzene	18.86	119	6696188	10.93	ppbv	97
66) Benzyl Chloride	19.16	91	2223692	11.18	ppbv	99
67) sec-Butylbenzene	19.46	105	8455112	10.60	ppbv	99
69) p-Isopropyltoluene	19.85	119	7206617	11.15	ppbv	99
70) n-Butylbenzene	20.81	91	6630256	10.76	ppbv	99
71) 2-Chlorotoluene	17.48	91	5010417	11.04	ppbv	97
72) 4-Ethyltoluene	17.87	105	5717189	11.20	ppbv	99
73) 1,3,5-Trimethylbenzene	18.04	105	5371421	10.81	ppbv	98
74) 1,2,4-Trimethylbenzene	18.88	105	5924856	10.48	ppbv	97
75) 1,3-Dichlorobenzene	19.18	146	3566312	10.42	ppbv	99
76) 1,4-Dichlorobenzene	19.33	146	3532841	10.55	ppbv	99
77) 1,2-Dichlorobenzene	20.08	146	3387906	10.41	ppbv	99
78) Hexachloro-1,3-Butadiene	24.71	225	1439052	9.30	ppbv	100
79) Naphthalene	23.97	128	2749231	10.12	ppbv	99
80) Naphthalene, 2-methyl-	26.09	142	955898	8.67	ppbv	100
81) 1,2,4-Trichlorobenzene	23.78	180	1456452	9.92	ppbv	99

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

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