

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102015\
 Data File : VL026217.D
 Acq On : 20 Oct 2015 21:49
 Operator : SY/MD
 Sample : VL1020ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2015 4:31:52 PM

Quant Time: Oct 21 04:11:52 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Oct 20 2015
 QLast Update : Tue Oct 20 20:24:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	522820	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.31	114	1646487	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.73	117	2021290m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.26	95	1563230	10.03	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.63	85	1159091	10.70	ppbv	99
3) Chlorodifluoromethane	3.56	51	632607	9.56	ppbv	100
4) Chloromethane	3.73	50	364542	10.21	ppbv	99
5) Vinyl Chloride	3.87	62	383769	10.21	ppbv	99
6) Bromomethane	4.13	94	278280	10.31	ppbv	99
7) Chloroethane	4.22	64	165117	10.47	ppbv	99
8) Dichlorotetrafluoroethane	3.79	85	939660	10.09	ppbv	100
9) Propene	3.58	41	303522	9.80	ppbv	100
10) Heptane	9.34	43	1027896	9.91	ppbv	99
11) Trichlorofluoromethane	4.68	101	1111901	10.46	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.29	101	747829	10.31	ppbv	100
13) Ethanol	4.31	45	46727	10.05	ppbv	98
14) Bromoethene	4.43	108	314015	10.26	ppbv	99
15) Acetone	4.59	43	662193	8.60	ppbv	100
16) 1,3-Butadiene	3.95	39	348334	10.15	ppbv	99
17) tert-Butyl alcohol	5.11	59	493878	9.39	ppbv	94
18) 1,1-Dichloroethene	5.07	96	347234	10.60	ppbv	99
19) Isopropyl Alcohol	4.74	45	331448	11.02	ppbv	94
20) Methylene Chloride	5.13	84	308299	10.04	ppbv	99
21) Allyl Chloride	5.21	41	525314	10.45	ppbv	99
22) trans-1,2-Dichloroethene	5.74	96	427673	10.12	ppbv	99
23) Vinyl Acetate	5.96	43	1420327	10.01	ppbv	99
24) 1,1-Dichloroethane	5.89	63	889668	9.94	ppbv	100
25) Ethyl Acetate	6.65	43	1413956	9.80	ppbv	100
26) Hexane	6.64	57	697503	9.67	ppbv	99
27) Carbon Disulfide	5.37	76	967207	10.49	ppbv	100
28) Methyl tert-Butyl Ether	5.93	73	1299269	9.91	ppbv	100
29) Chloroform	6.73	83	1056737	10.10	ppbv	100
30) Cyclohexane	8.26	84	716072	9.93	ppbv	99
31) cis-1,2-Dichloroethene	6.50	61	660694	10.09	ppbv	98
32) 1,1,1-Trichloroethane	7.58	97	1153823	9.94	ppbv	100
34) 2-Butanone	6.18	43	866265	9.31	ppbv	99
35) Carbon Tetrachloride	8.14	117	1210920	9.65	ppbv	98
36) Benzene	8.01	78	1596677	9.52	ppbv	99
37) 1,2-Dichloroethane	7.35	62	854313	9.91	ppbv	100
38) Trichloroethene	9.04	130	677468	8.33	ppbv	99
39) 1,2-Dichloropropane	8.81	63	564298	9.57	ppbv	98
40) 1,4-Dioxane	9.10	88	154840	13.97	ppbv	92
41) Tetrahydrofuran	7.10	42	513502	9.53	ppbv	100
42) Bromodichloromethane	9.01	83	1235315	9.97	ppbv	99
43) Methyl Methacrylate	9.24	69	611966	10.03	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.07	57	2527884	9.31	ppbv	99
45) t-1,3-Dichloropropene	10.63	75	974017	10.23	ppbv	99
46) cis-1,3-Dichloropropene	10.00	75	1095872	9.83	ppbv	99
47) 1,1,2-Trichloroethane	10.86	97	721365	9.73	ppbv	99
48) Dibromochloromethane	11.78	129	1198231	9.92	ppbv	100
49) Bromoform	14.79	173	1033621	10.14	ppbv	100
50) 4-Methyl-2-Pentanone	10.07	43	1244937	9.91	ppbv	99
51) 2-Hexanone	11.60	43	1196107	10.19	ppbv #	100
52) Tetrachloroethene	12.77	164	749627	7.79	ppbv	99
53) Toluene	11.21	91	2148766	9.42	ppbv	99
54) 1,2-Dibromoethane	12.12	107	1109388	9.67	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.76	131	869394	8.97	ppbv	99
57) Chlorobenzene	13.79	112	1805428	9.33	ppbv	99
58) Ethyl Benzene	14.39	91	3126820	9.55	ppbv	100
59) m/p-Xylene	14.69	91	4787980	18.67	ppbv	100
60) o-Xylene	15.47	91	2457958	9.17	ppbv	100
61) Styrene	15.29	104	1242257	10.24	ppbv	100
62) Isopropylbenzene	16.52	105	3506072	9.40	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.46	83	1577546	8.90	ppbv	100
64) n-propylbenzene	17.49	120	980125	9.56	ppbv	97
65) tert-Butylbenzene	18.79	119	3064152	9.00	ppbv	100
66) Benzyl Chloride	19.08	91	1398840	9.95	ppbv	100
67) sec-Butylbenzene	19.38	105	4398157	9.27	ppbv	100
69) p-Isopropyltoluene	19.76	119	3688760	9.29	ppbv	100
70) n-Butylbenzene	20.73	91	3406668	9.39	ppbv	100
71) 2-Chlorotoluene	17.40	91	2627191	9.57	ppbv	100
72) 4-Ethyltoluene	17.80	105	3006647	9.64	ppbv	100
73) 1,3,5-Trimethylbenzene	17.96	105	2773522	9.54	ppbv	99
74) 1,2,4-Trimethylbenzene	18.81	105	2701715	8.96	ppbv	98
75) 1,3-Dichlorobenzene	19.10	146	1824935	9.26	ppbv	100
76) 1,4-Dichlorobenzene	19.25	146	1921276	9.34	ppbv	100
77) 1,2-Dichlorobenzene	20.00	146	1859854	9.36	ppbv	100
78) Hexachloro-1,3-Butadiene	24.65	225	819373	8.04	ppbv	99
79) Naphthalene	23.91	128	2467709	9.29	ppbv	100
80) Naphthalene, 2-methyl-	26.02	142	453755	9.51	ppbv	97
81) 1,2,4-Trichlorobenzene	23.71	180	1127983	8.82	ppbv	100

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

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