

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL121317\
 Data File : VL031240.D
 Acq On : 14 Dec 2017 20:23
 Operator : SY/AP
 Sample : SSTDC0010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCC010EC

Manual Integrations
 APPROVED

MMDadoda
 12/15/2017 4:07:20 PM

Quant Time: Dec 15 06:09:44 2017
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 2017
 QLast Update : Thu Dec 14 04:29:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1552912	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	3971910	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	4231100m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.75	95	2982662	9.91	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.18	85	1800510	13.72	ppbv	100
3) Chlorodifluoromethane	3.12	51	1915808	10.85	ppbv	98
4) Chloromethane	3.28	50	983635	10.31	ppbv	97
5) Vinyl Chloride	3.40	62	990224	10.04	ppbv	98
6) Bromomethane	3.63	94	619455	10.60	ppbv	96
7) Chloroethane	3.71	64	376384	10.30	ppbv	98
8) Dichlorotetrafluoroethane	3.32	85	2160590	11.87	ppbv	97
9) Propene	3.14	41	871751	10.06	ppbv	98
10) Heptane	8.41	43	2472843	9.37	ppbv	100
11) Trichlorofluoromethane	4.13	101	2329593	10.80	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.68	101	1434571	9.50	ppbv	96
13) Ethanol	3.77	45	197557	7.90	ppbv	99
14) Bromoethene	3.91	108	694705	10.70	ppbv	99
15) Acetone	4.02	43	1709397	8.34	ppbv	100
16) 1,3-Butadiene	3.47	39	875124	9.93	ppbv	96
17) tert-Butyl alcohol	4.49	59	894116	7.77	ppbv	99
18) 1,1-Dichloroethene	4.48	96	695472	10.28	ppbv	94
19) Isopropyl Alcohol	4.15	45	1197127	9.23	ppbv #	43
20) Methylene Chloride	4.54	84	650189	9.59	ppbv	97
21) Allyl Chloride	4.61	41	1125708	9.34	ppbv	97
22) trans-1,2-Dichloroethene	5.10	96	809035	9.72	ppbv	99
23) Vinyl Acetate	5.30	43	2711420	8.21	ppbv	98
24) 1,1-Dichloroethane	5.23	63	2230286	9.30	ppbv	99
25) Ethyl Acetate	5.92	43	3621287	8.65	ppbv	100
26) Hexane	5.93	57	1723416	8.68	ppbv	98
27) Carbon Disulfide	4.76	76	1810282	9.10	ppbv	100
28) Methyl tert-Butyl Ether	5.25	73	2142359	8.25	ppbv	98
29) Chloroform	6.00	83	2633505	9.82	ppbv	99
30) Cyclohexane	7.41	84	1485997	8.49	ppbv	98
31) cis-1,2-Dichloroethene	5.79	61	1663341	9.23	ppbv	98
32) 1,1,1-Trichloroethane	6.78	97	2571765	8.97	ppbv	99
34) 2-Butanone	5.47	43	2556187	9.11	ppbv	99
35) Carbon Tetrachloride	7.30	117	2607385	9.16	ppbv	99
36) Benzene	7.16	78	3599173	8.55	ppbv	99
37) 1,2-Dichloroethane	6.57	62	2160587	9.30	ppbv	99
38) Trichloroethene	8.12	130	1416045	8.62	ppbv	98
39) 1,2-Dichloropropane	7.90	63	1347050	9.05	ppbv	99
40) 1,4-Dioxane	8.12	88	590485	10.99	ppbv #	91
41) Tetrahydrofuran	6.30	42	1486697	9.42	ppbv	100
42) Bromodichloromethane	8.08	83	2739395	10.01	ppbv	98
43) Methyl Methacrylate	8.30	69	1372535	9.74	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	8.15	57	5819981	9.15	ppbv	100
45) t-1,3-Dichloropropene	9.58	75	1889230	9.80	ppbv	99
46) cis-1,3-Dichloropropene	9.00	75	2337977	9.64	ppbv	98
47) 1,1,2-Trichloroethane	9.78	97	1518195	9.83	ppbv	99
48) Dibromochloromethane	10.62	129	2418714	10.03	ppbv	100
49) Bromoform	13.38	173	1579397	8.88	ppbv	100
50) 4-Methyl-2-Pentanone	9.03	43	3275095	9.54	ppbv	99
51) 2-Hexanone	10.44	43	3204563	9.78	ppbv #	99
52) Tetrachloroethene	11.55	164	1350538	8.70	ppbv	94
53) Toluene	10.12	91	4385584	9.60	ppbv	99
54) 1,2-Dibromoethane	10.93	107	2303114	9.84	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.45	131	1634370	8.66	ppbv	95
57) Chlorobenzene	12.48	112	3353839	8.50	ppbv	98
58) Ethyl Benzene	13.04	91	5561818	7.96	ppbv	99
59) m/p-Xylene	13.32	91	8766925m	15.68	ppbv	
60) o-Xylene	14.02	91	4369828	7.75	ppbv	100
61) Styrene	13.86	104	1266793	7.83	ppbv	99
62) Isopropylbenzene	15.00	105	5706557	7.72	ppbv	100
63) 1,1,2,2-Tetrachloroethane	14.01	83	2683925	7.10	ppbv	99
64) n-propylbenzene	15.89	120	1510825	7.70	ppbv	96
65) tert-Butylbenzene	17.08	119	4883471	7.46	ppbv	100
66) Benzyl Chloride	17.33	91	342207	4.85	ppbv	97
67) sec-Butylbenzene	17.63	105	6855571	7.61	ppbv	99
69) p-Isopropyltoluene	17.98	119	5636282	7.51	ppbv	99
70) n-Butylbenzene	18.88	91	5703492	7.88	ppbv	99
71) 2-Chlorotoluene	15.79	91	4220160	7.69	ppbv	100
72) 4-Ethyltoluene	16.17	105	4781271	7.74	ppbv	99
73) 1,3,5-Trimethylbenzene	16.33	105	4188145	7.62	ppbv	100
74) 1,2,4-Trimethylbenzene	17.10	105	4315653	7.46	ppbv #	94
75) 1,3-Dichlorobenzene	17.34	146	2716409	7.41	ppbv	99
76) 1,4-Dichlorobenzene	17.48	146	2759180	7.45	ppbv	99
77) 1,2-Dichlorobenzene	18.16	146	2677893	7.48	ppbv	98
78) Hexachloro-1,3-Butadiene	23.70	225	1372411	16.68	ppbv	99
79) Naphthalene	22.61	128	4249851	9.08	ppbv	99
80) Naphthalene, 2-methyl-	25.25	142	1250323	7.18	ppbv	98
81) 1,2,4-Trichlorobenzene	22.33	180	1912244	8.78	ppbv	100

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

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