

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090518\
 Data File : VL032453.D
 Acq On : 5 Sep 2018 10:53
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 9/7/2018 10:45:47 AM

Quant Time: Sep 06 05:05:15 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

QLast Update : Fri Aug 31 21:33:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1370930	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3127403	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	3136215m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	2280812	9.80	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.00%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.10	85	1246721	7.11	ppbv	100
3) Chlorodifluoromethane	3.04	51	1246395	10.04	ppbv	98
4) Chloromethane	3.20	50	730196	9.72	ppbv	99
5) Vinyl Chloride	3.32	62	698329	9.42	ppbv	100
6) Bromomethane	3.54	94	392927	10.09	ppbv	96
7) Chloroethane	3.63	64	248414	9.68	ppbv	98
8) Dichlorotetrafluoroethane	3.25	85	1489182	9.57	ppbv	95
9) Propene	3.06	41	648784	12.96	ppbv	97
10) Heptane	8.29	43	2100963	11.70	ppbv	99
11) Trichlorofluoromethane	4.04	101	1476933	9.34	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1027787	9.59	ppbv	96
13) Ethanol	3.68	45	147013	9.42	ppbv	99
14) Bromoethene	3.82	108	489421	10.78	ppbv	99
15) Acetone	3.93	43	1211741	9.82	ppbv	98
16) 1,3-Butadiene	3.39	39	589626	10.15	ppbv	93
17) tert-Butyl alcohol	4.39	59	196471	10.34	ppbv #	100
18) 1,1-Dichloroethene	4.39	96	499539	10.20	ppbv	99
19) Isopropyl Alcohol	4.05	45	984181	12.15	ppbv #	8
20) Methylene Chloride	4.44	84	418238	8.88	ppbv	96
21) Allyl Chloride	4.51	41	897723	10.95	ppbv	96
22) trans-1,2-Dichloroethene	5.00	96	500203	9.41	ppbv	98
23) Vinyl Acetate	5.19	43	2314636	11.31	ppbv #	98
24) 1,1-Dichloroethane	5.13	63	1537659	9.12	ppbv	98
25) Ethyl Acetate	5.81	43	3035165	10.41	ppbv	99
26) Hexane	5.82	57	1345748	10.31	ppbv	95
27) Carbon Disulfide	4.66	76	1223223	10.15	ppbv	98
28) Methyl tert-Butyl Ether	5.15	73	1850168	11.54	ppbv	99
29) Chloroform	5.89	83	1943449	9.76	ppbv	98
30) Cyclohexane	7.30	84	1168508	12.22	ppbv	99
31) cis-1,2-Dichloroethene	5.68	61	1411467	11.94	ppbv	95
32) 1,1,1-Trichloroethane	6.67	97	1871824	10.09	ppbv	97
34) 2-Butanone	5.37	43	2091027	10.07	ppbv	99
35) Carbon Tetrachloride	7.18	117	1842827	8.77	ppbv	98
36) Benzene	7.05	78	2799572	10.52	ppbv	99
37) 1,2-Dichloroethane	6.46	62	1468265	9.00	ppbv	98
38) Trichloroethene	8.01	130	1051374	10.40	ppbv	97
39) 1,2-Dichloropropane	7.78	63	1129238	9.92	ppbv	97
40) 1,4-Dioxane	8.00	88	423888	12.41	ppbv	69
41) Tetrahydrofuran	6.19	42	1311214	11.59	ppbv	100
42) Bromodichloromethane	7.96	83	2309678	10.27	ppbv	100
43) Methyl Methacrylate	8.18	69	1287208	11.40	ppbv	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	5257331	10.22	ppbv	99
45) t-1,3-Dichloropropene	9.46	75	1585017	13.12	ppbv	98
46) cis-1,3-Dichloropropene	8.88	75	1916170	12.41	ppbv	100
47) 1,1,2-Trichloroethane	9.67	97	1211651	10.01	ppbv	98
48) Dibromochloromethane	10.50	129	1715629	10.23	ppbv	99
49) Bromoform	13.26	173	1461010	10.02	ppbv	100
50) 4-Methyl-2-Pentanone	8.92	43	3260146	10.42	ppbv	99
51) 2-Hexanone	10.32	43	2414664	11.98	ppbv #	100
52) Tetrachloroethene	11.43	164	867337	10.51	ppbv	95
53) Toluene	10.00	91	3149186	11.32	ppbv	100
54) 1,2-Dibromoethane	10.81	107	1826795	11.24	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.33	131	1250036	8.84	ppbv #	60
57) Chlorobenzene	12.36	112	2305096	9.20	ppbv	97
58) Ethyl Benzene	12.91	91	4299080	11.45	ppbv	98
59) m/p-Xylene	13.20	91	6848054m	20.47	ppbv	
60) o-Xylene	13.90	91	3295121	10.03	ppbv	99
61) Styrene	13.74	104	2628047	12.35	ppbv	99
62) Isopropylbenzene	14.88	105	4775041	10.33	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.89	83	2384529	8.11	ppbv	100
64) n-propylbenzene	15.77	120	1267895	10.50	ppbv	100
65) tert-Butylbenzene	16.96	119	4049674	10.17	ppbv	98
66) Benzyl Chloride	17.21	91	2613471	11.78	ppbv	99
67) sec-Butylbenzene	17.51	105	6104827	10.20	ppbv	99
69) p-Isopropyltoluene	17.87	119	4886578	10.53	ppbv	99
70) n-Butylbenzene	18.77	91	5360411	10.19	ppbv	100
71) 2-Chlorotoluene	15.67	91	3805054	10.78	ppbv	100
72) 4-Ethyltoluene	16.05	105	4049102	11.28	ppbv	99
73) 1,3,5-Trimethylbenzene	16.21	105	3848417	10.70	ppbv	97
74) 1,2,4-Trimethylbenzene	16.98	105	3760790	9.57	ppbv	92
75) 1,3-Dichlorobenzene	17.22	146	2115977	9.07	ppbv	99
76) 1,4-Dichlorobenzene	17.36	146	2172169	10.04	ppbv	100
77) 1,2-Dichlorobenzene	18.04	146	2158776	9.59	ppbv	99
78) Hexachloro-1,3-Butadiene	23.59	225	712730	8.48	ppbv	100
79) Naphthalene	22.47	128	3855302	12.06	ppbv	98
80) Naphthalene, 2-methyl-	25.15	142	1528298	17.97	ppbv	100
81) 1,2,4-Trichlorobenzene	22.19	180	1805679	11.22	ppbv	100

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

