

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091018\
 Data File : VL032481.D
 Acq On : 10 Sep 2018 14:58
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 3:59:32 PM

Quant Time: Sep 11 01:15:20 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	1570944	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3718375	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	3696782m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.62	95	2804927	10.22	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.10	85	1735128	8.63	ppbv	99
3) Chlorodifluoromethane	3.04	51	1214724	8.54	ppbv	98
4) Chloromethane	3.20	50	720580	8.37	ppbv	100
5) Vinyl Chloride	3.32	62	687799	8.09	ppbv	99
6) Bromomethane	3.54	94	402863	9.03	ppbv	98
7) Chloroethane	3.63	64	257772	8.76	ppbv	98
8) Dichlorotetrafluoroethane	3.25	85	1428212	8.01	ppbv	99
9) Propene	3.06	41	611877	10.67	ppbv	99
10) Heptane	8.29	43	2377433	11.55	ppbv	100
11) Trichlorofluoromethane	4.04	101	1458569	8.05	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1259913	10.26	ppbv	99
13) Ethanol	3.68	45	135977	7.60	ppbv	93
14) Bromoethene	3.82	108	462077	8.88	ppbv	99
15) Acetone	3.93	43	1171022	8.28	ppbv	100
16) 1,3-Butadiene	3.39	39	607156	9.12	ppbv	91
17) tert-Butyl alcohol	4.39	59	214619	9.86	ppbv #	100
18) 1,1-Dichloroethene	4.39	96	614462	10.95	ppbv	96
19) Isopropyl Alcohol	4.06	45	861275	9.28	ppbv #	98
20) Methylene Chloride	4.44	84	542621	10.06	ppbv	97
21) Allyl Chloride	4.51	41	1107946	11.79	ppbv	99
22) trans-1,2-Dichloroethene	5.00	96	596594	9.80	ppbv	99
23) Vinyl Acetate	5.19	43	2694971	11.49	ppbv	99
24) 1,1-Dichloroethane	5.13	63	1878642	9.72	ppbv	99
25) Ethyl Acetate	5.81	43	3196641	9.57	ppbv	100
26) Hexane	5.82	57	1466823	9.81	ppbv	98
27) Carbon Disulfide	4.66	76	1580752	11.45	ppbv	99
28) Methyl tert-Butyl Ether	5.15	73	2104024	11.46	ppbv	99
29) Chloroform	5.89	83	2143175	9.40	ppbv	99
30) Cyclohexane	7.29	84	1347642	12.30	ppbv	99
31) cis-1,2-Dichloroethene	5.68	61	1492016	11.02	ppbv	98
32) 1,1,1-Trichloroethane	6.66	97	2030098	9.55	ppbv	98
34) 2-Butanone	5.36	43	2211061	8.95	ppbv	100
35) Carbon Tetrachloride	7.18	117	2295689	9.19	ppbv	99
36) Benzene	7.05	78	3250700	10.27	ppbv	99
37) 1,2-Dichloroethane	6.45	62	1591498	8.21	ppbv	100
38) Trichloroethene	8.01	130	1154422	9.60	ppbv	94
39) 1,2-Dichloropropane	7.78	63	1403922	10.37	ppbv	98
40) 1,4-Dioxane	8.00	88	454687	11.19	ppbv	82
41) Tetrahydrofuran	6.19	42	1361815	10.13	ppbv	100
42) Bromodichloromethane	7.96	83	2644824	9.89	ppbv	99
43) Methyl Methacrylate	8.18	69	1445153	10.76	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	6021089	9.84	ppbv	99
45) t-1,3-Dichloropropene	9.46	75	1876263	13.06	ppbv	99
46) cis-1,3-Dichloropropene	8.88	75	2097563	11.43	ppbv	99
47) 1,1,2-Trichloroethane	9.66	97	1421777	9.88	ppbv	99
48) Dibromochloromethane	10.50	129	2260233	11.34	ppbv	99
49) Bromoform	13.25	173	1691992	9.76	ppbv	100
50) 4-Methyl-2-Pentanone	8.91	43	3620050	9.73	ppbv	100
51) 2-Hexanone	10.32	43	3175212	13.25	ppbv #	100
52) Tetrachloroethene	11.42	164	970427	9.89	ppbv	96
53) Toluene	9.99	91	4050470	12.25	ppbv	100
54) 1,2-Dibromoethane	10.81	107	2095388	10.84	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.33	131	1423400	8.54	ppbv	98
57) Chlorobenzene	12.35	112	2602198	8.81	ppbv	99
58) Ethyl Benzene	12.91	91	4877792	11.03	ppbv	99
59) m/p-Xylene	13.20	91	7896852m	20.02	ppbv	
60) o-Xylene	13.90	91	3854015	9.95	ppbv	100
61) Styrene	13.73	104	2947802	11.75	ppbv	100
62) Isopropylbenzene	14.88	105	5418112	9.95	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.88	83	2882947	8.32	ppbv	100
64) n-propylbenzene	15.77	120	1411008	9.91	ppbv	96
65) tert-Butylbenzene	16.96	119	4567797	9.73	ppbv	100
66) Benzyl Chloride	17.20	91	2926649	11.19	ppbv	100
67) sec-Butylbenzene	17.51	105	6868856	9.73	ppbv	99
69) p-Isopropyltoluene	17.86	119	5445363	9.96	ppbv	100
70) n-Butylbenzene	18.76	91	6035402	9.73	ppbv	99
71) 2-Chlorotoluene	15.67	91	4330627	10.41	ppbv	99
72) 4-Ethyltoluene	16.05	105	4520113	10.69	ppbv	99
73) 1,3,5-Trimethylbenzene	16.21	105	4305523	10.16	ppbv	95
74) 1,2,4-Trimethylbenzene	16.97	105	4308243	9.30	ppbv	95
75) 1,3-Dichlorobenzene	17.21	146	2420251	8.80	ppbv	99
76) 1,4-Dichlorobenzene	17.35	146	2427167	9.52	ppbv	99
77) 1,2-Dichlorobenzene	18.04	146	2394948	9.03	ppbv	100
78) Hexachloro-1,3-Butadiene	23.59	225	854987	8.63	ppbv	99
79) Naphthalene	22.47	128	3982966	10.57	ppbv	99
80) Naphthalene, 2-methyl-	25.15	142	1437268	14.34	ppbv	99
81) 1,2,4-Trichlorobenzene	22.19	180	1892772	9.98	ppbv	100

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

