

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092018\
 Data File : VL032509.D
 Acq On : 20 Sep 2018 16:07
 Operator : SY/AP
 Sample : VL0920ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0920ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 11:19:57 AM

Quant Time: Sep 21 02:46:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Sep 21 02:46:32 2018
 QLast Update : Fri Sep 21 02:33:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1556437	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.33	114	3570957	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.28	117	3648340m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2817822	10.40	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.10	85	1262166	6.340	ppbv	99
3) Chlorodifluoromethane	3.03	51	1211765	8.601	ppbv	99
4) Chloromethane	3.19	50	698321	8.186	ppbv	99
5) Vinyl Chloride	3.31	62	666568	7.916	ppbv	97
6) Bromomethane	3.54	94	409107	9.256	ppbv	98
7) Chloroethane	3.62	64	256274	8.793	ppbv	92
8) Dichlorotetrafluoroethane	3.24	85	1447649	8.193	ppbv	100
9) Propene	3.06	41	614878	10.819	ppbv	99
10) Heptane	8.28	43	2091487	10.258	ppbv	98
11) Trichlorofluoromethane	4.03	101	1498784	8.349	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.58	101	1292397	10.624	ppbv	99
13) Ethanol	3.67	45	140253	7.917	ppbv	97
14) Bromoethene	3.81	108	482733	9.366	ppbv	99
15) Acetone	3.92	43	1310720	9.352	ppbv	99
16) 1,3-Butadiene	3.38	39	529621	8.030	ppbv	99
17) tert-Butyl alcohol	4.39	59	200099	9.277	ppbv #	100
18) 1,1-Dichloroethene	4.38	96	628022	11.296	ppbv	96
19) Isopropyl Alcohol	4.05	45	903273	9.824	ppbv #	98
20) Methylene Chloride	4.43	84	561174	10.500	ppbv	95
21) Allyl Chloride	4.51	41	1087964	11.687	ppbv	100
22) trans-1,2-Dichloroethene	4.99	96	595822	9.877	ppbv	96
23) Vinyl Acetate	5.18	43	2518350	10.840	ppbv	99
24) 1,1-Dichloroethane	5.12	63	1862903	9.731	ppbv	99
25) Ethyl Acetate	5.80	43	3151849	9.523	ppbv	100
26) Hexane	5.81	57	1477987	9.972	ppbv	99
27) Carbon Disulfide	4.65	76	1640292	11.989	ppbv	98
28) Methyl tert-Butyl Ether	5.14	73	1972023	10.837	ppbv	99
29) Chloroform	5.88	83	2163603	9.575	ppbv	100
30) Cyclohexane	7.28	84	1275994	11.758	ppbv	99
31) cis-1,2-Dichloroethene	5.67	61	1431495	10.667	ppbv	98
32) 1,1,1-Trichloroethane	6.65	97	2218377	10.532	ppbv	98
34) 2-Butanone	5.36	43	2086362	8.796	ppbv	100
35) Carbon Tetrachloride	7.17	117	2243920	9.349	ppbv	98
36) Benzene	7.04	78	2970797	9.776	ppbv	99
37) 1,2-Dichloroethane	6.45	62	1691054	9.081	ppbv	99
38) Trichloroethene	8.00	130	1097897	9.511	ppbv	98
39) 1,2-Dichloropropane	7.77	63	1277057	9.822	ppbv	97
40) 1,4-Dioxane	7.99	88	430135	11.027	ppbv	76
41) Tetrahydrofuran	6.18	42	1295892	10.036	ppbv	99
42) Bromodichloromethane	7.96	83	2477287	9.645	ppbv	100
43) Methyl Methacrylate	8.17	69	1287374	9.986	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.03	57	5531473	9.415	ppbv	99
45) t-1,3-Dichloropropene	9.45	75	1766434	12.804	ppbv	96
46) cis-1,3-Dichloropropene	8.88	75	1881337	10.672	ppbv	99
47) 1,1,2-Trichloroethane	9.65	97	1363565	9.864	ppbv	99
48) Dibromochloromethane	10.49	129	2233930	11.668	ppbv	100
49) Bromoform	13.24	173	1694496	10.183	ppbv	100
50) 4-Methyl-2-Pentanone	8.91	43	3315053	9.278	ppbv	100
51) 2-Hexanone	10.31	43	2980716	12.951	ppbv	100
52) Tetrachloroethene	11.41	164	968883	10.282	ppbv	97
53) Toluene	9.99	91	3807930	11.988	ppbv	100
54) 1,2-Dibromoethane	10.80	107	2045580	11.021	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.32	131	1487171	9.042	ppbv #	60
57) Chlorobenzene	12.34	112	2638390	9.049	ppbv	99
58) Ethyl Benzene	12.91	91	4748299	10.876	ppbv	97
59) m/p-Xylene	13.19	91	7755969m	19.926	ppbv	
60) o-Xylene	13.89	91	3783471	9.895	ppbv	100
61) Styrene	13.73	104	2824777	11.412	ppbv	99
62) Isopropylbenzene	14.87	105	5369694	9.990	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.88	83	2837169	8.299	ppbv	99
64) n-propylbenzene	15.76	120	1380041	9.821	ppbv	98
65) tert-Butylbenzene	16.95	119	4444309	9.596	ppbv	99
66) Benzyl Chloride	17.19	91	2690505	10.428	ppbv	100
67) sec-Butylbenzene	17.50	105	6565276	9.426	ppbv	99
69) p-Isopropyltoluene	17.86	119	5216831	9.664	ppbv	100
70) n-Butylbenzene	18.75	91	5649958	9.233	ppbv	99
71) 2-Chlorotoluene	15.66	91	4178220	10.175	ppbv	100
72) 4-Ethyltoluene	16.04	105	4395142	10.529	ppbv	99
73) 1,3,5-Trimethylbenzene	16.20	105	4142536	9.905	ppbv	94
74) 1,2,4-Trimethylbenzene	16.97	105	4131130	9.035	ppbv	93
75) 1,3-Dichlorobenzene	17.21	146	2297824	8.470	ppbv	99
76) 1,4-Dichlorobenzene	17.35	146	2256495	8.964	ppbv	100
77) 1,2-Dichlorobenzene	18.03	146	2250021	8.596	ppbv	100
78) Hexachloro-1,3-Butadiene	23.58	225	739929	7.566	ppbv	100
79) Naphthalene	22.46	128	3487659	9.380	ppbv	100
80) Naphthalene, 2-methyl-	25.14	142	1104116	11.160	ppbv	100
81) 1,2,4-Trichlorobenzene	22.18	180	1660108	8.865	ppbv	100

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

