

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL113018\
 Data File : VL032849.D
 Acq On : 30 Nov 2018 15:08
 Operator : SY/AP
 Sample : VL1130ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1130ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/3/2018 4:15:04 PM

Quant Time: Dec 01 02:37:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 1
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1367064	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3553895	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3608578m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2665525	9.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	973810	4.956	ppbv	99
3) Chlorodifluoromethane	3.02	51	1039495	9.591	ppbv	99
4) Chloromethane	3.17	50	543935	9.051	ppbv	99
5) Vinyl Chloride	3.30	62	577444	9.068	ppbv	98
6) Bromomethane	3.52	94	382617	9.822	ppbv	91
7) Chloroethane	3.61	64	218553	9.522	ppbv	97
8) Dichlorotetrafluoroethane	3.23	85	1448703	9.355	ppbv	98
9) Propene	3.04	41	405249	9.343	ppbv	100
10) Heptane	8.25	43	1706810	10.308	ppbv	100
11) Trichlorofluoromethane	4.01	101	1803418	9.738	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1743024	11.523	ppbv	97
13) Ethanol	3.66	45	110377	7.770	ppbv	99
14) Bromoethene	3.80	108	502107	10.005	ppbv	99
15) Acetone	3.91	43	1067696	8.552	ppbv	100
16) 1,3-Butadiene	3.37	39	500613	10.355	ppbv	99
17) tert-Butyl alcohol	4.37	59	430181	10.987	ppbv	100
18) 1,1-Dichloroethene	4.36	96	706116	9.493	ppbv	97
19) Isopropyl Alcohol	4.03	45	1108256	13.326	ppbv	100
20) Methylene Chloride	4.42	84	689292	10.665	ppbv	95
21) Allyl Chloride	4.49	41	1241685	11.835	ppbv	100
22) trans-1,2-Dichloroethene	4.97	96	798398	10.992	ppbv	96
23) Vinyl Acetate	5.16	43	2314229	10.169	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1918243	10.602	ppbv	100
25) Ethyl Acetate	5.78	43	2866622	9.852	ppbv	100
26) Hexane	5.79	57	1342322	10.363	ppbv	99
27) Carbon Disulfide	4.63	76	1980092	12.056	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2355544	11.404	ppbv	99
29) Chloroform	5.86	83	2272764	9.845	ppbv	98
30) Cyclohexane	7.26	84	1207733	10.661	ppbv	98
31) cis-1,2-Dichloroethene	5.65	61	1389074	10.667	ppbv	97
32) 1,1,1-Trichloroethane	6.63	97	2492193	9.849	ppbv	99
34) 2-Butanone	5.34	43	1814505	9.844	ppbv	100
35) Carbon Tetrachloride	7.14	117	2703792	9.464	ppbv	99
36) Benzene	7.02	78	2819891	9.964	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1879124	9.864	ppbv	100
38) Trichloroethene	7.97	130	1206221	10.532	ppbv	96
39) 1,2-Dichloropropane	7.75	63	1049265	9.731	ppbv	99
40) 1,4-Dioxane	7.96	88	391360	10.162	ppbv #	1
41) Tetrahydrofuran	6.16	42	1095850	10.364	ppbv	99
42) Bromodichloromethane	7.93	83	2596203	10.053	ppbv	100
43) Methyl Methacrylate	8.15	69	1128067	10.677	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4781111	10.110	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1584309	11.175	ppbv	98
46) cis-1,3-Dichloropropene	8.85	75	1820336	10.628	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	1288290	10.104	ppbv	97
48) Dibromochloromethane	10.46	129	2272278	10.486	ppbv	100
49) Bromoform	13.22	173	1989938	11.119	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	2921925	10.149	ppbv	100
51) 2-Hexanone	10.28	43	2074272	11.183	ppbv	99
52) Tetrachloroethene	11.39	164	1055823	10.725	ppbv	98
53) Toluene	9.96	91	3594039	12.173	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1931539	10.717	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.29	131	1632335	9.698	ppbv	98
57) Chlorobenzene	12.31	112	2644308	9.573	ppbv	98
58) Ethyl Benzene	12.88	91	4607935	10.610	ppbv	99
59) m/p-Xylene	13.14	91	7797996m	20.170	ppbv	
60) o-Xylene	13.86	91	3804893	9.788	ppbv	100
61) Styrene	13.70	104	2811120	11.109	ppbv	99
62) Isopropylbenzene	14.84	105	5431029	10.336	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2625760	8.665	ppbv	99
64) n-propylbenzene	15.73	120	1376029	9.957	ppbv	98
65) tert-Butylbenzene	16.92	119	4847538	10.292	ppbv	99
66) Benzyl Chloride	17.17	91	2704384	10.385	ppbv	100
67) sec-Butylbenzene	17.47	105	6687507	9.852	ppbv	99
69) p-Isopropyltoluene	17.83	119	5494555	10.180	ppbv	99
70) n-Butylbenzene	18.73	91	5403917	9.861	ppbv	99
71) 2-Chlorotoluene	15.63	91	3997986	10.203	ppbv	99
72) 4-Ethyltoluene	16.01	105	4339096	10.184	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	4167359	10.003	ppbv	99
74) 1,2,4-Trimethylbenzene	16.94	105	4273235	9.586	ppbv	97
75) 1,3-Dichlorobenzene	17.18	146	2395295	9.367	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2334393	9.773	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	2318358	9.800	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	929811	7.283	ppbv	100
79) Naphthalene	22.43	128	3115183	10.637	ppbv	99
80) Naphthalene, 2-methyl-	25.13	142	766662	10.453	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1593794	10.837	ppbv	100

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

