

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073019\
 Data File : VL034057.D
 Acq On : 30 Jul 2019 9:20
 Operator : SY/AP
 Sample : VL0730ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0730ABS01

Manual Integrations
 APPROVED

MMdadoda
 8/2/2019 9:37:42 AM

Quant Time: Jul 31 02:23:14 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073019AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 31

QLast Update : Tue Jul 30 06:55:18 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	1108263	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.25	114	4281645	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.19	117	3202956	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.52	95	2542960	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1726109	8.108	ppbv 95
3) Chlorodifluoromethane	2.99	51	1103668	8.627	ppbv 99
4) Chloromethane	3.14	50	627734	8.366	ppbv 98
5) Vinyl Chloride	3.26	62	689135	8.335	ppbv 97
6) Bromomethane	3.49	94	452284	8.689	ppbv 97
7) Chloroethane	3.57	64	295122	8.808	ppbv 92
8) Dichlorotetrafluoroethane	3.19	85	1785074	8.418	ppbv 99
9) Propene	3.01	41	409411	8.914	ppbv 99
10) Heptane	8.20	43	1328198	10.603	ppbv 99
11) Trichlorofluoromethane	3.97	101	2047236	8.647	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.52	101	1465904	9.205	ppbv 100
13) Ethanol	3.62	45	110564m	6.048	ppbv
14) Bromoethene	3.76	108	595830	8.860	ppbv 97
15) Acetone	3.87	43	1339261	7.948	ppbv 100
16) 1,3-Butadiene	3.34	39	587284	8.976	ppbv 98
17) tert-Butyl alcohol	4.32	59	1377111	9.940	ppbv 99
18) 1,1-Dichloroethene	4.32	96	707363	9.805	ppbv 95
19) Isopropyl Alcohol	3.99	45	972356	8.450	ppbv 100
20) Methylene Chloride	4.37	84	596963	9.263	ppbv 97
21) Allyl Chloride	4.44	41	1006608	9.466	ppbv 99
22) trans-1,2-Dichloroethene	4.92	96	673867	9.015	ppbv 95
23) Vinyl Acetate	5.12	43	1724981	9.560	ppbv 99
24) 1,1-Dichloroethane	5.05	63	1397644	8.719	ppbv 98
25) Ethyl Acetate	5.73	43	2387997	9.533	ppbv 99
26) Hexane	5.74	57	1069984	9.444	ppbv 98
27) Carbon Disulfide	4.58	76	1844945	10.457	ppbv 99
28) Methyl tert-Butyl Ether	5.07	73	1766040	9.158	ppbv 98
29) Chloroform	5.81	83	1862912	9.002	ppbv 95
30) Cyclohexane	7.20	84	1367728	11.881	ppbv 98
31) cis-1,2-Dichloroethene	5.60	61	1139124	10.316	ppbv 98
32) 1,1,1-Trichloroethane	6.58	97	1836985	8.458	ppbv 99
34) 2-Butanone	5.29	43	1353132	7.679	ppbv 99
35) Carbon Tetrachloride	7.09	117	3076960	10.183	ppbv 97
36) Benzene	6.96	78	3118959	10.943	ppbv 96
37) 1,2-Dichloroethane	6.37	62	1460438	7.457	ppbv 99
38) Trichloroethene	7.91	130	1020857	8.547	ppbv 96
39) 1,2-Dichloropropane	7.69	63	1181528	10.215	ppbv 93
40) 1,4-Dioxane	7.91	88	383124	8.388	ppbv 90
41) Tetrahydrofuran	6.10	42	750911	8.389	ppbv 99
42) Bromodichloromethane	7.87	83	2221668	8.204	ppbv 95
43) Methyl Methacrylate	8.09	69	937668	9.230	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.94	57	3953557	8.354	ppbv	100
45) t-1,3-Dichloropropene	9.37	75	1356364	10.377	ppbv	99
46) cis-1,3-Dichloropropene	8.79	75	1521640	10.357	ppbv	98
47) 1,1,2-Trichloroethane	9.57	97	1049062	8.719	ppbv	98
48) Dibromochloromethane	10.41	129	1931961	8.411	ppbv	98
49) Bromoform	13.15	173	1854667	9.262	ppbv	99
50) 4-Methyl-2-Pentanone	8.82	43	2426826	9.277	ppbv	98
51) 2-Hexanone	10.23	43	2020835	9.289	ppbv	100
52) Tetrachloroethene	11.32	164	1008854	9.027	ppbv	98
53) Toluene	9.90	91	2951701	9.925	ppbv	100
54) 1,2-Dibromoethane	10.71	107	1631696	9.137	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.23	131	1319782	9.221	ppbv	97
57) Chlorobenzene	12.25	112	2302297	9.278	ppbv	98
58) Ethyl Benzene	12.81	91	4117076	10.861	ppbv	98
59) m/p-Xylene	13.10	91	6838557m	19.846	ppbv	
60) o-Xylene	13.80	91	3452995	10.082	ppbv	100
61) Styrene	13.63	104	2569170	11.360	ppbv	99
62) Isopropylbenzene	14.78	105	4608774	10.045	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.79	83	2394135	9.109	ppbv	100
64) n-propylbenzene	15.67	120	1147213	9.655	ppbv	97
65) tert-Butylbenzene	16.86	119	4100631	9.695	ppbv	99
66) Benzyl Chloride	17.10	91	2260228	10.649	ppbv	99
67) sec-Butylbenzene	17.41	105	5727654	9.526	ppbv	100
69) p-Isopropyltoluene	17.77	119	4768839	9.731	ppbv	100
70) n-Butylbenzene	18.66	91	4987225	9.614	ppbv	99
71) 2-Chlorotoluene	15.56	91	3461369	10.391	ppbv	100
72) 4-Ethyltoluene	15.95	105	4046900	10.450	ppbv	99
73) 1,3,5-Trimethylbenzene	16.11	105	3769886	9.565	ppbv	98
74) 1,2,4-Trimethylbenzene	16.87	105	4001372	9.242	ppbv #	86
75) 1,3-Dichlorobenzene	17.12	146	2358953	8.733	ppbv	99
76) 1,4-Dichlorobenzene	17.26	146	2355300	9.239	ppbv	99
77) 1,2-Dichlorobenzene	17.94	146	2246388	9.033	ppbv	100
78) Hexachloro-1,3-Butadiene	23.49	225	1863167	8.144	ppbv	100
79) Naphthalene	22.35	128	3724355	9.868	ppbv	97
80) Naphthalene, 2-methyl-	25.07	142	1223909	9.301	ppbv	99
81) 1,2,4-Trichlorobenzene	22.07	180	2248565	9.242	ppbv	99

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

