

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033902.D
 Acq On : 13 Jun 2019 18:02
 Operator : SY/AP
 Sample : VL0613ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0613ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 12:37:05 AM

Quant Time: Jun 14 06:56:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	934545	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2335102	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2325492m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1769380	9.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.07	85	1191132	7.855	ppbv 98
3) Chlorodifluoromethane	3.00	51	1108049	10.072	ppbv 98
4) Chloromethane	3.16	50	648810	10.339	ppbv 98
5) Vinyl Chloride	3.28	62	649638	11.157	ppbv 99
6) Bromomethane	3.50	94	413442	10.688	ppbv 92
7) Chloroethane	3.59	64	242977	10.551	ppbv 99
8) Dichlorotetrafluoroethane	3.21	85	1651142	10.188	ppbv 98
9) Propene	3.03	41	478336	11.620	ppbv 99
10) Heptane	8.23	43	1250213	12.015	ppbv 99
11) Trichlorofluoromethane	3.99	101	1974985	10.093	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1341473	10.144	ppbv 100
13) Ethanol	3.64	45	118867	8.875	ppbv 95
14) Bromoethene	3.78	108	555883	11.281	ppbv 100
15) Acetone	3.89	43	1228970	9.017	ppbv 99
16) 1,3-Butadiene	3.35	39	568705	10.962	ppbv 98
17) tert-Butyl alcohol	4.35	59	1296040	12.164	ppbv 99
18) 1,1-Dichloroethene	4.34	96	593209	10.620	ppbv 97
19) Isopropyl Alcohol	4.01	45	983023	12.625	ppbv 99
20) Methylene Chloride	4.40	84	503214	9.467	ppbv 98
21) Allyl Chloride	4.46	41	887598	11.464	ppbv 99
22) trans-1,2-Dichloroethene	4.95	96	613775	10.425	ppbv 98
23) Vinyl Acetate	5.14	43	1889856	11.929	ppbv 100
24) 1,1-Dichloroethane	5.08	63	1320714	10.718	ppbv 99
25) Ethyl Acetate	5.75	43	2249740	10.838	ppbv 99
26) Hexane	5.77	57	983701	10.409	ppbv 99
27) Carbon Disulfide	4.61	76	1522965	11.599	ppbv 99
28) Methyl tert-Butyl Ether	5.10	73	1741135	12.183	ppbv 99
29) Chloroform	5.84	83	1699907	10.502	ppbv 100
30) Cyclohexane	7.24	84	873772	13.085	ppbv 99
31) cis-1,2-Dichloroethene	5.63	61	1030260	12.431	ppbv 97
32) 1,1,1-Trichloroethane	6.61	97	1944489	12.453	ppbv 100
34) 2-Butanone	5.32	43	1444292	10.964	ppbv 99
35) Carbon Tetrachloride	7.12	117	1971148	10.926	ppbv 97
36) Benzene	6.99	78	2120088	11.886	ppbv 99
37) 1,2-Dichloroethane	6.40	62	1458230	11.054	ppbv 99
38) Trichloroethene	7.95	130	925239	13.322	ppbv 99
39) 1,2-Dichloropropane	7.72	63	809122	11.753	ppbv 97
40) 1,4-Dioxane	7.94	88	375333	13.367	ppbv 89
41) Tetrahydrofuran	6.13	42	884959	13.235	ppbv 100
42) Bromodichloromethane	7.90	83	2028885	11.509	ppbv 99
43) Methyl Methacrylate	8.13	69	832644	12.481	ppbv 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3667677	11.562	ppbv	100
45) t-1,3-Dichloropropene	9.40	75	1138852	13.010	ppbv	100
46) cis-1,3-Dichloropropene	8.82	75	1290945	12.872	ppbv	100
47) 1,1,2-Trichloroethane	9.60	97	865194	10.542	ppbv	97
48) Dibromochloromethane	10.44	129	1649959	11.187	ppbv	99
49) Bromoform	13.19	173	1480111	11.368	ppbv	99
50) 4-Methyl-2-Pentanone	8.85	43	2220034	11.302	ppbv	99
51) 2-Hexanone	10.26	43	1796517	11.711	ppbv	100
52) Tetrachloroethene	11.36	164	789209	12.574	ppbv	98
53) Toluene	9.93	91	2393141	12.124	ppbv	99
54) 1,2-Dibromoethane	10.75	107	1406317	11.367	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.27	131	1162509	11.443	ppbv #	94
57) Chlorobenzene	12.29	112	1983783	11.390	ppbv	97
58) Ethyl Benzene	12.85	91	3451617	13.165	ppbv	96
59) m/p-Xylene	13.14	91	5525762m	23.176	ppbv	
60) o-Xylene	13.83	91	2795381	11.356	ppbv	99
61) Styrene	13.67	104	2055493	12.903	ppbv	99
62) Isopropylbenzene	14.81	105	3731605	11.247	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.82	83	1980490	10.688	ppbv	99
64) n-propylbenzene	15.71	120	971717	11.437	ppbv	100
65) tert-Butylbenzene	16.89	119	3520004	11.466	ppbv	100
66) Benzyl Chloride	17.14	91	2059399	13.237	ppbv	100
67) sec-Butylbenzene	17.44	105	4944175	11.480	ppbv	100
69) p-Isopropyltoluene	17.80	119	4233506	11.814	ppbv	100
70) n-Butylbenzene	18.70	91	4459701	11.363	ppbv	100
71) 2-Chlorotoluene	15.61	91	2832001	11.586	ppbv	99
72) 4-Ethyltoluene	15.99	105	3292631	11.754	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	3203259	11.609	ppbv	99
74) 1,2,4-Trimethylbenzene	16.91	105	3471569	10.916	ppbv	99
75) 1,3-Dichlorobenzene	17.15	146	2071717	10.402	ppbv	100
76) 1,4-Dichlorobenzene	17.30	146	2025153	11.074	ppbv	99
77) 1,2-Dichlorobenzene	17.97	146	2001688	10.891	ppbv	100
78) Hexachloro-1,3-Butadiene	23.53	225	1422784	9.911	ppbv	100
79) Naphthalene	22.39	128	3234370	12.723	ppbv	99
80) Naphthalene, 2-methyl-	25.10	142	1256967	12.393	ppbv	100
81) 1,2,4-Trichlorobenzene	22.12	180	1933634	12.048	ppbv	99

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

