

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052019\
 Data File : VL033723.D
 Acq On : 20 May 2019 13:33
 Operator : SY/AP
 Sample : VL0520ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0520ABS01

Quant Time: May 21 01:44:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1098754	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2628418	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2766029m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	2175416	9.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1503035	6.491	ppbv	99
3) Chlorodifluoromethane	3.01	51	1260344	10.014	ppbv	100
4) Chloromethane	3.17	50	653793	9.082	ppbv	99
5) Vinyl Chloride	3.29	62	665823	9.080	ppbv	98
6) Bromomethane	3.51	94	437301	9.774	ppbv	97
7) Chloroethane	3.59	64	253857	9.741	ppbv	92
8) Dichlorotetrafluoroethane	3.22	85	1710442	9.162	ppbv	99
9) Propene	3.03	41	505353	9.440	ppbv	99
10) Heptane	8.24	43	1331408	8.783	ppbv	99
11) Trichlorofluoromethane	4.00	101	2089861	9.456	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1378865	8.935	ppbv	100
13) Ethanol	3.64	45	143931	8.319	ppbv	97
14) Bromoethene	3.78	108	560418	9.878	ppbv	99
15) Acetone	3.90	43	1341603	8.800	ppbv	100
16) 1,3-Butadiene	3.36	39	599369	9.873	ppbv	99
17) tert-Butyl alcohol	4.35	59	1156203	9.379	ppbv	100
18) 1,1-Dichloroethene	4.35	96	604715	9.283	ppbv	94
19) Isopropyl Alcohol	4.02	45	898704	9.143	ppbv	99
20) Methylene Chloride	4.40	84	510607	8.699	ppbv	99
21) Allyl Chloride	4.47	41	903860	9.506	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	623114	9.332	ppbv	92
23) Vinyl Acetate	5.15	43	2008368	9.992	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1373205	8.987	ppbv	99
25) Ethyl Acetate	5.76	43	2344153	8.753	ppbv	100
26) Hexane	5.77	57	1021149	8.870	ppbv	98
27) Carbon Disulfide	4.62	76	1552301	9.828	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1784660	9.509	ppbv	100
29) Chloroform	5.85	83	1768485	8.339	ppbv	98
30) Cyclohexane	7.24	84	900296	9.302	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1079096	9.453	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1863137	8.799	ppbv	100
34) 2-Butanone	5.33	43	1553947	9.538	ppbv	99
35) Carbon Tetrachloride	7.13	117	1981187	9.410	ppbv	98
36) Benzene	7.00	78	2213239	9.257	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1367390	8.866	ppbv	100
38) Trichloroethene	7.96	130	871329	9.821	ppbv	97
39) 1,2-Dichloropropane	7.73	63	814018	9.132	ppbv	99
40) 1,4-Dioxane	7.95	88	320586	8.597	ppbv #	99
41) Tetrahydrofuran	6.14	42	852032	9.334	ppbv	99
42) Bromodichloromethane	7.91	83	1922479	9.105	ppbv	97
43) Methyl Methacrylate	8.13	69	878006	9.978	ppbv	98

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44) 2,2,4-Trimethylpentane	7.98	57	3592726	8.891	ppbv	100
45) t-1,3-Dichloropropene	9.41	75	1213031	10.874	ppbv	99
46) cis-1,3-Dichloropropene	8.83	75	1349456	10.331	ppbv	97
47) 1,1,2-Trichloroethane	9.61	97	904175	8.929	ppbv	97
48) Dibromochloromethane	10.45	129	1658994	9.455	ppbv	99
49) Bromoform	13.20	173	1478490	10.014	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	2337461	9.328	ppbv	100
51) 2-Hexanone	10.26	43	1934323	9.890	ppbv #	99
52) Tetrachloroethene	11.37	164	825393	9.821	ppbv	97
53) Toluene	9.94	91	2542010	9.857	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1446070	9.357	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.27	131	1133082	8.853	ppbv #	62
57) Chlorobenzene	12.30	112	1972256	8.662	ppbv	100
58) Ethyl Benzene	12.86	91	3478916	9.498	ppbv	98
59) m/p-Xylene	13.15	91	5788887m	18.079	ppbv	
60) o-Xylene	13.84	91	2918815	9.043	ppbv	100
61) Styrene	13.68	104	2184454	10.052	ppbv	100
62) Isopropylbenzene	14.82	105	3958789	9.107	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	2008503	8.557	ppbv	100
64) n-propylbenzene	15.72	120	1038910	9.240	ppbv	100
65) tert-Butylbenzene	16.90	119	3647263	9.190	ppbv	99
66) Benzyl Chloride	17.15	91	2146443	11.355	ppbv	100
67) sec-Butylbenzene	17.45	105	5090737	9.164	ppbv	100
69) p-Isopropyltoluene	17.81	119	4233307	9.220	ppbv	99
70) n-Butylbenzene	18.71	91	4440011	9.018	ppbv	100
71) 2-Chlorotoluene	15.61	91	3046004	9.445	ppbv	100
72) 4-Ethyltoluene	15.99	105	3488025	9.451	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	3328049	9.242	ppbv	99
74) 1,2,4-Trimethylbenzene	16.92	105	3476780	8.872	ppbv	99
75) 1,3-Dichlorobenzene	17.16	146	2027371	8.442	ppbv	100
76) 1,4-Dichlorobenzene	17.30	146	2017815	8.841	ppbv	100
77) 1,2-Dichlorobenzene	17.98	146	1940845	8.601	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1202097	7.046	ppbv	99
79) Naphthalene	22.41	128	3011667	8.274	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	965588	6.982	ppbv	99
81) 1,2,4-Trichlorobenzene	22.13	180	1650814	7.745	ppbv	99

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

