

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041719\
 Data File : VL033602.D
 Acq On : 17 Apr 2019 14:59
 Operator : SY/AP
 Sample : VL0417ABSD01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0417ABSD01

Quant Time: Apr 18 05:57:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	852486	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2169687	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2298507m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1735160	9.63	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	910949	7.327	ppbv	99
3) Chlorodifluoromethane	3.01	51	892723	9.096	ppbv	99
4) Chloromethane	3.17	50	496323	9.557	ppbv	94
5) Vinyl Chloride	3.29	62	489574	9.595	ppbv	100
6) Bromomethane	3.52	94	316223	9.643	ppbv	92
7) Chloroethane	3.60	64	180397	9.499	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1201434	9.069	ppbv	99
9) Propene	3.04	41	398626	9.672	ppbv	99
10) Heptane	8.25	43	1000522	9.082	ppbv	99
11) Trichlorofluoromethane	4.00	101	1404573	9.166	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	958593	9.314	ppbv	99
13) Ethanol	3.65	45	118311	11.093	ppbv	67
14) Bromoethene	3.79	108	397487	9.683	ppbv	99
15) Acetone	3.90	43	904583	8.825	ppbv	98
16) 1,3-Butadiene	3.36	39	399185	9.818	ppbv	90
17) tert-Butyl alcohol	4.35	59	199534	10.587	ppbv	99
18) 1,1-Dichloroethene	4.35	96	427853	9.678	ppbv	98
19) Isopropyl Alcohol	4.02	45	697685	10.761	ppbv	100
20) Methylene Chloride	4.41	84	383433	8.812	ppbv	93
21) Allyl Chloride	4.48	41	628850	9.705	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	445408	9.657	ppbv	95
23) Vinyl Acetate	5.16	43	1433449	9.825	ppbv	99
24) 1,1-Dichloroethane	5.09	63	999150	9.016	ppbv	100
25) Ethyl Acetate	5.77	43	1669523	8.779	ppbv	99
26) Hexane	5.78	57	765991	9.059	ppbv	96
27) Carbon Disulfide	4.62	76	1072429	10.665	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1216017	9.984	ppbv	100
29) Chloroform	5.85	83	1266586	8.738	ppbv	97
30) Cyclohexane	7.25	84	665878	9.954	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	777254	9.245	ppbv	96
32) 1,1,1-Trichloroethane	6.62	97	1297669	9.401	ppbv	99
34) 2-Butanone	5.33	43	1113643	8.543	ppbv	99
35) Carbon Tetrachloride	7.14	117	1397830	9.096	ppbv	97
36) Benzene	7.01	78	1655565	9.094	ppbv	98
37) 1,2-Dichloroethane	6.42	62	980012	8.031	ppbv	99
38) Trichloroethene	7.96	130	657909	9.603	ppbv	98
39) 1,2-Dichloropropane	7.74	63	608243	8.529	ppbv	97
40) 1,4-Dioxane	7.95	88	239496	9.416	ppbv	87
41) Tetrahydrofuran	6.15	42	639234	8.915	ppbv	97
42) Bromodichloromethane	7.92	83	1429174	8.599	ppbv	98
43) Methyl Methacrylate	8.14	69	656427	8.880	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.99	57	2727097	8.572	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	915584	10.088	ppbv	100
46) cis-1,3-Dichloropropene	8.83	75	1029980	9.718	ppbv	97
47) 1,1,2-Trichloroethane	9.62	97	693449	8.563	ppbv	97
48) Dibromochloromethane	10.45	129	1254957	9.188	ppbv	100
49) Bromoform	13.20	173	1164613	8.925	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1652537	8.658	ppbv	98
51) 2-Hexanone	10.27	43	1305722	9.170	ppbv #	100
52) Tetrachloroethene	11.37	164	633032	9.216	ppbv	99
53) Toluene	9.95	91	1951355	9.224	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1117265	8.821	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.28	131	867581	8.236	ppbv #	56
57) Chlorobenzene	12.30	112	1473035	8.253	ppbv	97
58) Ethyl Benzene	12.86	91	2703209	8.807	ppbv	99
59) m/p-Xylene	13.15	91	4651000m	16.964	ppbv	
60) o-Xylene	13.85	91	2288526	8.632	ppbv	99
61) Styrene	13.69	104	1709298	9.394	ppbv	99
62) Isopropylbenzene	14.83	105	3212604	8.557	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1584804	8.118	ppbv	99
64) n-propylbenzene	15.72	120	827536	8.687	ppbv	98
65) tert-Butylbenzene	16.91	119	2909349	8.794	ppbv	98
66) Benzyl Chloride	17.15	91	1658916	10.784	ppbv	99
67) sec-Butylbenzene	17.46	105	4100611	8.716	ppbv	100
69) p-Isopropyltoluene	17.82	119	3421480	8.932	ppbv	99
70) n-Butylbenzene	18.71	91	3534796	8.709	ppbv	99
71) 2-Chlorotoluene	15.61	91	2483906	8.701	ppbv	99
72) 4-Ethyltoluene	16.00	105	2663147	8.936	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	2554857	8.959	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	2656672	8.691	ppbv	96
75) 1,3-Dichlorobenzene	17.16	146	1584098	8.385	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1585061	8.611	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1555763	8.679	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	912343	7.689	ppbv	99
79) Naphthalene	22.41	128	2623870	10.028	ppbv	98
80) Naphthalene, 2-methyl-	25.11	142	1152179	13.121	ppbv	98
81) 1,2,4-Trichlorobenzene	22.14	180	1390903	9.583	ppbv	99

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

