

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041619\
 Data File : VL033587.D
 Acq On : 16 Apr 2019 9:58
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Apr 17 06:36:36 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	926488	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2229397	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2315479m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1827011	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	1061619	7.857	ppbv	98
3) Chlorodifluoromethane	3.02	51	915913	8.587	ppbv	100
4) Chloromethane	3.17	50	485084	8.594	ppbv	97
5) Vinyl Chloride	3.29	62	487656	8.794	ppbv	95
6) Bromomethane	3.52	94	314612	8.828	ppbv	90
7) Chloroethane	3.60	64	184560	8.942	ppbv	96
8) Dichlorotetrafluoroethane	3.22	85	1246936	8.660	ppbv	99
9) Propene	3.04	41	383928	8.571	ppbv	98
10) Heptane	8.25	43	1044741	8.725	ppbv	99
11) Trichlorofluoromethane	4.00	101	1490228	8.949	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1040350	9.301	ppbv	100
13) Ethanol	3.65	45	109670	9.461	ppbv	64
14) Bromoethene	3.79	108	397456	8.909	ppbv	99
15) Acetone	3.90	43	922086	8.277	ppbv	98
16) 1,3-Butadiene	3.36	39	438948	9.934	ppbv	97
17) tert-Butyl alcohol	4.36	59	175736	8.580	ppbv	99
18) 1,1-Dichloroethene	4.35	96	441959	9.199	ppbv	97
19) Isopropyl Alcohol	4.02	45	614235	8.717	ppbv #	98
20) Methylene Chloride	4.41	84	390885	8.266	ppbv	91
21) Allyl Chloride	4.48	41	682360	9.690	ppbv	100
22) trans-1,2-Dichloroethene	4.97	96	461666	9.210	ppbv	98
23) Vinyl Acetate	5.16	43	1445252	9.115	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1018238	8.454	ppbv	99
25) Ethyl Acetate	5.77	43	1716985	8.307	ppbv	100
26) Hexane	5.78	57	764037	8.314	ppbv	99
27) Carbon Disulfide	4.62	76	1100305	10.068	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1208236	9.128	ppbv	99
29) Chloroform	5.85	83	1329313	8.438	ppbv	96
30) Cyclohexane	7.25	84	662531	9.113	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	802234	8.780	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1340515	8.936	ppbv	100
34) 2-Butanone	5.33	43	1135061	8.474	ppbv	100
35) Carbon Tetrachloride	7.14	117	1459285	9.242	ppbv	98
36) Benzene	7.01	78	1646861	8.804	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1026024	8.183	ppbv	100
38) Trichloroethene	7.96	130	677305	9.621	ppbv	97
39) 1,2-Dichloropropane	7.74	63	612558	8.359	ppbv	98
40) 1,4-Dioxane	7.95	88	233294m	8.926	ppbv	
41) Tetrahydrofuran	6.15	42	627592	8.519	ppbv	97
42) Bromodichloromethane	7.92	83	1489489	8.722	ppbv	99
43) Methyl Methacrylate	8.14	69	666908	8.780	ppbv	100

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44) 2,2,4-Trimethylpentane	7.99	57	2755474	8.429	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	929200	9.964	ppbv	99
46) cis-1,3-Dichloropropene	8.84	75	1050893	9.650	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	695556	8.359	ppbv	98
48) Dibromochloromethane	10.45	129	1304104	9.292	ppbv	99
49) Bromoform	13.20	173	1203501	8.976	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	1706186	8.699	ppbv	100
51) 2-Hexanone	10.27	43	1341575	9.170	ppbv #	100
52) Tetrachloroethene	11.37	164	640834	9.080	ppbv	95
53) Toluene	9.95	91	1964592	9.038	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1110140	8.530	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.28	131	918721	8.657	ppbv	99
57) Chlorobenzene	12.30	112	1538601	8.558	ppbv	99
58) Ethyl Benzene	12.86	91	2787507	9.015	ppbv	99
59) m/p-Xylene	13.13	91	4765872m	17.256	ppbv	
60) o-Xylene	13.85	91	2330516	8.726	ppbv	98
61) Styrene	13.69	104	1726653	9.420	ppbv	99
62) Isopropylbenzene	14.83	105	3296045	8.715	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1645345	8.367	ppbv	99
64) n-propylbenzene	15.72	120	856826	8.928	ppbv	98
65) tert-Butylbenzene	16.91	119	2996452	8.991	ppbv	99
66) Benzyl Chloride	17.16	91	1727070	11.144	ppbv	98
67) sec-Butylbenzene	17.46	105	4233314	8.932	ppbv	100
69) p-Isopropyltoluene	17.82	119	3545738	9.188	ppbv	99
70) n-Butylbenzene	18.71	91	3672518	8.982	ppbv	100
71) 2-Chlorotoluene	15.62	91	2551572	8.873	ppbv	99
72) 4-Ethyltoluene	16.00	105	2761087	9.197	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	2651376	9.229	ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	2744210	8.912	ppbv	97
75) 1,3-Dichlorobenzene	17.17	146	1637252	8.603	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1650082	8.898	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1615672	8.947	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1219660	10.203	ppbv	99
79) Naphthalene	22.41	128	2754500	10.450	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	1261706	14.263	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1426078	9.753	ppbv	100

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

