

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041719\
 Data File : VL033608.D
 Acq On : 17 Apr 2019 18:48
 Operator : SY/AP
 Sample : K2241-14 1 PPB
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2019

Quant Time: Apr 18 06:57:37 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	824035	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1945225	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1972972	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1603323	10.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	114866	0.956 ppbv	95
3) Chlorodifluoromethane	3.01	51	89106	0.939 ppbv	100
4) Chloromethane	3.17	50	48062	0.957 ppbv #	87
5) Vinyl Chloride	3.29	62	46928	0.951 ppbv	100
6) Bromomethane	3.52	94	29012	0.915 ppbv	99
7) Chloroethane	3.60	64	17050	0.929 ppbv #	83
8) Dichlorotetrafluoroethane	3.22	85	126452	0.987 ppbv	99
9) Propene	3.04	41	29870	0.750 ppbv	93
10) Heptane	8.24	43	87644	0.823 ppbv	98
11) Trichlorofluoromethane	4.00	101	145885	0.985 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	99997	1.005 ppbv	100
13) Ethanol	3.65	45	13049	1.266 ppbv	71
14) Bromoethene	3.79	108	32696	0.824 ppbv #	91
15) Acetone	3.90	43	110453	1.115 ppbv	97
16) 1,3-Butadiene	3.36	39	37692	0.959 ppbv	99
17) tert-Butyl alcohol	4.37	59	17512m	0.961 ppbv	
18) 1,1-Dichloroethene	4.35	96	38825	0.909 ppbv	96
19) Isopropyl Alcohol	4.03	45	60302	0.962 ppbv #	92
20) Methylene Chloride	4.41	84	41497	0.987 ppbv	91
21) Allyl Chloride	4.48	41	54156	0.865 ppbv	93
22) trans-1,2-Dichloroethene	4.96	96	42253	0.948 ppbv	95
23) Vinyl Acetate	5.15	43	111065	0.788 ppbv #	96
24) 1,1-Dichloroethane	5.09	63	93988	0.877 ppbv	98
25) Ethyl Acetate	5.77	43	165685	0.901 ppbv	99
26) Hexane	5.78	57	72750	0.890 ppbv	94
27) Carbon Disulfide	4.62	76	88520	0.911 ppbv	97
28) Methyl tert-Butyl Ether	5.12	73	86271m	0.733 ppbv	
29) Chloroform	5.84	83	136160	0.972 ppbv	98
30) Cyclohexane	7.25	84	46155	0.714 ppbv #	85
31) cis-1,2-Dichloroethene	5.64	61	64329	0.792 ppbv	89
32) 1,1,1-Trichloroethane	6.62	97	126663	0.949 ppbv	96
34) 2-Butanone	5.33	43	90160	0.771 ppbv	96
35) Carbon Tetrachloride	7.13	117	136585	0.991 ppbv	95
36) Benzene	7.00	78	130183	0.798 ppbv	98
37) 1,2-Dichloroethane	6.41	62	100066	0.915 ppbv	98
38) Trichloroethene	7.96	130	56150m	0.914 ppbv	
39) 1,2-Dichloropropane	7.73	63	52774	0.825 ppbv	95
40) 1,4-Dioxane	7.98	88	20080m	0.881 ppbv	
41) Tetrahydrofuran	6.16	42	43730	0.680 ppbv	99
42) Bromodichloromethane	7.91	83	135463	0.909 ppbv	94
43) Methyl Methacrylate	8.13	69	49268m	0.743 ppbv	

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44) 2,2,4-Trimethylpentane	7.98	57	248361	0.871	ppbv	94
45) t-1,3-Dichloropropene	9.42	75	54571m	0.671	ppbv	
46) cis-1,3-Dichloropropene	8.83	75	63206m	0.665	ppbv	
47) 1,1,2-Trichloroethane	9.61	97	63273	0.872	ppbv	97
48) Dibromochloromethane	10.45	129	107333m	0.876	ppbv	
49) Bromoform	13.20	173	92975	0.795	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	142027	0.830	ppbv	97
51) 2-Hexanone	10.28	43	94828	0.743	ppbv #	90
52) Tetrachloroethene	11.37	164	52681	0.855	ppbv	96
53) Toluene	9.94	91	139857	0.737	ppbv	97
54) 1,2-Dibromoethane	10.75	107	93327	0.822	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.27	131	85276	0.943	ppbv #	1
57) Chlorobenzene	12.29	112	151214	0.987	ppbv #	92
58) Ethyl Benzene	12.86	91	206117	0.782	ppbv	98
59) m/p-Xylene	13.14	91	397086m	1.687	ppbv	
60) o-Xylene	13.85	91	197375	0.867	ppbv	98
61) Styrene	13.69	104	110450	0.707	ppbv	97
62) Isopropylbenzene	14.82	105	276243	0.857	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	162073	0.967	ppbv	98
64) n-propylbenzene	15.72	120	68376	0.836	ppbv	82
65) tert-Butylbenzene	16.90	119	243099	0.856	ppbv	95
66) Benzyl Chloride	17.15	91	97656	0.740	ppbv	99
67) sec-Butylbenzene	17.45	105	362911	0.899	ppbv	98
69) p-Isopropyltoluene	17.81	119	271069	0.824	ppbv	97
70) n-Butylbenzene	18.72	91	281242m	0.807	ppbv	
71) 2-Chlorotoluene	15.61	91	196276	0.801	ppbv	100
72) 4-Ethyltoluene	16.00	105	203347m	0.795	ppbv	
73) 1,3,5-Trimethylbenzene	16.15	105	188492	0.770	ppbv	100
74) 1,2,4-Trimethylbenzene	16.92	105	212832	0.811	ppbv	93
75) 1,3-Dichlorobenzene	17.16	146	149275	0.920	ppbv	96
76) 1,4-Dichlorobenzene	17.30	146	135368	0.857	ppbv	98
77) 1,2-Dichlorobenzene	17.99	146	139560	0.907	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	99593	0.978	ppbv	99
79) Naphthalene	22.42	128	74141m	0.330	ppbv	
80) Naphthalene, 2-methyl-	25.13	142	4473	0.059	ppbv #	91
81) 1,2,4-Trichlorobenzene	22.14	180	62505	0.502	ppbv	99

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

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