

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041619\
 Data File : VL033596.D
 Acq On : 16 Apr 2019 17:29
 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 17 08:30:44 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	830703	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2117120	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2044052	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1640324	10.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	123291	1.018 ppbv	89
3) Chlorodifluoromethane	3.02	51	91974	0.962 ppbv	100
4) Chloromethane	3.17	50	48506	0.958 ppbv	98
5) Vinyl Chloride	3.29	62	46845	0.942 ppbv	95
6) Bromomethane	3.52	94	30648	0.959 ppbv	100
7) Chloroethane	3.60	64	17069	0.922 ppbv	91
8) Dichlorotetrafluoroethane	3.22	85	129466	1.003 ppbv	97
9) Propene	3.04	41	31244	0.778 ppbv	99
10) Heptane	8.25	43	86995	0.810 ppbv	97
11) Trichlorofluoromethane	4.00	101	153276	1.027 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	109407	1.091 ppbv	99
13) Ethanol	3.66	45	15234m	1.466 ppbv	
14) Bromoethene	3.79	108	36315	0.908 ppbv	96
15) Acetone	3.90	43	112388	1.125 ppbv	99
16) 1,3-Butadiene	3.37	39	38390	0.969 ppbv	97
17) tert-Butyl alcohol	4.37	59	18764m	1.022 ppbv	
18) 1,1-Dichloroethene	4.35	96	40258	0.935 ppbv	95
19) Isopropyl Alcohol	4.03	45	62235m	0.985 ppbv	
20) Methylene Chloride	4.41	84	48379	1.141 ppbv	93
21) Allyl Chloride	4.48	41	58793	0.931 ppbv	96
22) trans-1,2-Dichloroethene	4.96	96	43921	0.977 ppbv	91
23) Vinyl Acetate	5.16	43	119603	0.841 ppbv #	95
24) 1,1-Dichloroethane	5.09	63	98188	0.909 ppbv	98
25) Ethyl Acetate	5.77	43	164195	0.886 ppbv	99
26) Hexane	5.78	57	73066	0.887 ppbv	95
27) Carbon Disulfide	4.62	76	97001	0.990 ppbv	95
28) Methyl tert-Butyl Ether	5.12	73	89432	0.754 ppbv	99
29) Chloroform	5.85	83	135675	0.961 ppbv	99
30) Cyclohexane	7.25	84	53538	0.821 ppbv	85
31) cis-1,2-Dichloroethene	5.64	61	61983	0.757 ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	125117	0.930 ppbv	98
34) 2-Butanone	5.34	43	97053	0.763 ppbv	97
35) Carbon Tetrachloride	7.14	117	136191	0.908 ppbv	95
36) Benzene	7.00	78	130719	0.736 ppbv	97
37) 1,2-Dichloroethane	6.41	62	98855	0.830 ppbv	98
38) Trichloroethene	7.96	130	56228m	0.841 ppbv	
39) 1,2-Dichloropropane	7.73	63	54577m	0.784 ppbv	
40) 1,4-Dioxane	7.98	88	19188	0.773 ppbv	82
41) Tetrahydrofuran	6.16	42	46277	0.661 ppbv	96
42) Bromodichloromethane	7.91	83	134559	0.830 ppbv	95
43) Methyl Methacrylate	8.14	69	47230	0.655 ppbv	91

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44) 2,2,4-Trimethylpentane	7.99	57	251380	0.810	ppbv	96
45) t-1,3-Dichloropropene	9.42	75	53451m	0.604	ppbv	
46) cis-1,3-Dichloropropene	8.84	75	65928	0.637	ppbv	90
47) 1,1,2-Trichloroethane	9.61	97	65933	0.834	ppbv	91
48) Dibromochloromethane	10.45	129	106867	0.802	ppbv	97
49) Bromoform	13.20	173	91920	0.722	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	143265	0.769	ppbv	98
51) 2-Hexanone	10.29	43	93332	0.672	ppbv #	94
52) Tetrachloroethene	11.37	164	50878	0.759	ppbv	90
53) Toluene	9.95	91	137915	0.668	ppbv	97
54) 1,2-Dibromoethane	10.76	107	93723	0.758	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.28	131	86856	0.927	ppbv #	1
57) Chlorobenzene	12.30	112	149016	0.939	ppbv	92
58) Ethyl Benzene	12.86	91	203867	0.747	ppbv	100
59) m/p-Xylene	13.14	91	394844m	1.619	ppbv	
60) o-Xylene	13.85	91	198289	0.841	ppbv	99
61) Styrene	13.69	104	111960	0.692	ppbv	99
62) Isopropylbenzene	14.82	105	277374	0.831	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.83	83	161517	0.930	ppbv	98
64) n-propylbenzene	15.72	120	69005	0.815	ppbv	87
65) tert-Butylbenzene	16.90	119	248250m	0.844	ppbv	
66) Benzyl Chloride	17.15	91	97467	0.712	ppbv	98
67) sec-Butylbenzene	17.45	105	358024	0.856	ppbv	98
69) p-Isopropyltoluene	17.81	119	270716	0.795	ppbv	98
70) n-Butylbenzene	18.71	91	281274	0.779	ppbv	95
71) 2-Chlorotoluene	15.62	91	187980	0.740	ppbv	96
72) 4-Ethyltoluene	16.00	105	205025	0.774	ppbv	96
73) 1,3,5-Trimethylbenzene	16.15	105	196598	0.775	ppbv	97
74) 1,2,4-Trimethylbenzene	16.92	105	220755	0.812	ppbv	98
75) 1,3-Dichlorobenzene	17.16	146	152657	0.909	ppbv	98
76) 1,4-Dichlorobenzene	17.31	146	134542	0.822	ppbv	97
77) 1,2-Dichlorobenzene	17.98	146	143523m	0.900	ppbv	
78) Hexachloro-1,3-Butadiene	23.54	225	100278	0.950	ppbv	98
79) Naphthalene	22.42	128	76508m	0.329	ppbv	
80) Naphthalene, 2-methyl-	25.11	142	4076	0.052	ppbv	93
81) 1,2,4-Trichlorobenzene	22.13	180	64468	0.499	ppbv	99

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

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