

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041619\
 Data File : VL033594.D
 Acq On : 16 Apr 2019 16:14
 Operator : SY/AP
 Sample : K2241-13 0.1 PPB
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Quant Time: Apr 22 11:08:36 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	860188	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2031863	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2005200	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1612616	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	15621	0.125	ppbv	99
3) Chlorodifluoromethane	3.01	51	11090	0.112	ppbv	100
4) Chloromethane	3.17	50	5226m	0.100	ppbv	
5) Vinyl Chloride	3.30	62	4557	0.089	ppbv	97
6) Bromomethane	3.52	94	3414m	0.103	ppbv	
7) Chloroethane	3.60	64	2121m	0.111	ppbv	
8) Dichlorotetrafluoroethane	3.22	85	12508	0.094	ppbv	100
9) Propene	3.04	41	3924m	0.094	ppbv	
10) Heptane	8.24	43	5896m	0.053	ppbv	
11) Trichlorofluoromethane	4.00	101	15440	0.100	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.55	101	10225	0.098	ppbv	93
14) Bromoethene	3.80	108	3545m	0.086	ppbv	
15) Acetone	3.93	43	17577	0.170	ppbv #	88
16) 1,3-Butadiene	3.37	39	3881	0.095	ppbv	98
17) tert-Butyl alcohol	4.41	59	2541m	0.134	ppbv	
18) 1,1-Dichloroethene	4.35	96	4341m	0.097	ppbv	
19) Isopropyl Alcohol	4.05	45	7027	0.107	ppbv #	93
20) Methylene Chloride	4.41	84	8236m	0.188	ppbv	
21) Allvl Chloride	4.48	41	5428	0.083	ppbv #	86
22) trans-1,2-Dichloroethene	4.97	96	4286	0.092	ppbv	82
23) Vinyl Acetate	5.16	43	8372	0.057	ppbv #	80
24) 1,1-Dichloroethane	5.09	63	9932	0.089	ppbv #	93
25) Ethyl Acetate	5.78	43	15700m	0.082	ppbv	
26) Hexane	5.78	57	6522m	0.076	ppbv	
27) Carbon Disulfide	4.62	76	7082	0.070	ppbv #	43
28) Methyl tert-Butyl Ether	5.13	73	7529	0.061	ppbv	95
29) Chloroform	5.84	83	14530m	0.099	ppbv	
30) Cyclohexane	7.28	84	8131m	0.120	ppbv	
31) cis-1,2-Dichloroethene	5.64	61	6056m	0.071	ppbv	
32) 1,1,1-Trichloroethane	6.62	97	11865	0.085	ppbv	90
34) 2-Butanone	5.35	43	9139m	0.075	ppbv	
35) Carbon Tetrachloride	7.14	117	13120m	0.091	ppbv	
36) Benzene	7.00	78	11750m	0.069	ppbv	
37) 1,2-Dichloroethane	6.41	62	9821m	0.086	ppbv	
38) Trichloroethene	7.95	130	4868m	0.076	ppbv	
39) 1,2-Dichloropropane	7.73	63	5266m	0.079	ppbv	
41) Tetrahydrofuran	6.19	42	3262m	0.049	ppbv	
42) Bromodichloromethane	7.91	83	11828m	0.076	ppbv	
43) Methyl Methacrylate	8.15	69	3068m	0.044	ppbv	
44) 2,2,4-Trimethylpentane	7.99	57	16024m	0.054	ppbv	
45) t-1,3-Dichloropropene	9.41	75	3938	0.046	ppbv #	73

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46) cis-1,3-Dichloropropene	8.84	75	5619m	0.057	ppbv	
47) 1,1,2-Trichloroethane	9.60	97	6478m	0.085	ppbv	
48) Dibromochloromethane	10.44	129	7467m	0.058	ppbv	
49) Bromoform	13.19	173	5511m	0.045	ppbv	
50) 4-Methyl-2-Pentanone	8.91	43	10976m	0.061	ppbv	
51) 2-Hexanone	10.31	43	4943m	0.037	ppbv	
52) Tetrachloroethene	11.37	164	4447m	0.069	ppbv	
53) Toluene	9.94	91	9078m	0.046	ppbv	
54) 1,2-Dibromoethane	10.75	107	7607m	0.064	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.28	131	7897m	0.086	ppbv	
57) Chlorobenzene	12.30	112	14750m	0.095	ppbv	
58) Ethyl Benzene	12.86	91	12489m	0.047	ppbv	
59) m/p-Xylene	13.12	91	22944m	0.096	ppbv	
60) o-Xylene	13.85	91	10374m	0.045	ppbv	
61) Styrene	13.68	104	6951m	0.044	ppbv	
62) Isopropylbenzene	14.82	105	18265m	0.056	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.83	83	12450m	0.073	ppbv	
64) n-propylbenzene	15.72	120	3509m	0.042	ppbv	
65) tert-Butylbenzene	16.92	119	10735m	0.037	ppbv	
66) Benzyl Chloride	17.15	91	7546m	0.056	ppbv	
67) sec-Butylbenzene	17.46	105	19980m	0.049	ppbv	
69) p-Isopropyltoluene	17.82	119	11129m	0.033	ppbv	
70) n-Butylbenzene	18.72	91	11189m	0.032	ppbv	
71) 2-Chlorotoluene	15.61	91	11886m	0.048	ppbv	
72) 4-Ethyltoluene	15.99	105	9040m	0.035	ppbv	
73) 1,3,5-Trimethylbenzene	16.16	105	9310m	0.037	ppbv	
74) 1,2,4-Trimethylbenzene	16.92	105	9435m	0.035	ppbv	
75) 1,3-Dichlorobenzene	17.17	146	14438m	0.088	ppbv	
76) 1,4-Dichlorobenzene	17.30	146	11282m	0.070	ppbv	
77) 1,2-Dichlorobenzene	17.99	146	10172m	0.065	ppbv	
78) Hexachloro-1,3-Butadiene	23.54	225	10039m	0.097	ppbv	
81) 1,2,4-Trichlorobenzene	22.13	180	4733m	0.037	ppbv	

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

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