

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041719\
 Data File : VL033606.D
 Acq On : 17 Apr 2019 17:31
 Operator : SY/AP
 Sample : K2241-15 0.1 PPB
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT2-2019

Quant Time: Apr 22 11:24:12 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	761902	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1789305	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1802243	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1458268	10.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	17105m	0.154	ppbv
3) Chlorodifluoromethane	3.01	51	10642	0.121	ppbv 99
4) Chloromethane	3.17	50	5454	0.118	ppbv 89
5) Vinyl Chloride	3.30	62	4624m	0.101	ppbv
6) Bromomethane	3.51	94	3014	0.103	ppbv 93
7) Chloroethane	3.60	64	2126m	0.125	ppbv
8) Dichlorotetrafluoroethane	3.22	85	13384	0.113	ppbv 96
9) Propene	3.04	41	3627	0.098	ppbv # 76
10) Heptane	8.25	43	5770m	0.059	ppbv
11) Trichlorofluoromethane	4.00	101	15613	0.114	ppbv 92
12) 1,1,2-Trichlorotrifluoroet	4.55	101	11398m	0.124	ppbv
14) Bromoethene	3.79	108	3486	0.095	ppbv # 95
15) Acetone	3.92	43	18032	0.197	ppbv # 90
16) 1,3-Butadiene	3.37	39	2375	0.065	ppbv # 47
18) 1,1-Dichloroethene	4.35	96	4433m	0.112	ppbv
19) Isopropyl Alcohol	4.05	45	7019	0.121	ppbv # 93
20) Methylene Chloride	4.41	84	1672	0.043	ppbv # 67
21) Allyl Chloride	4.48	41	6403m	0.111	ppbv
22) trans-1,2-Dichloroethene	4.97	96	4939m	0.120	ppbv
23) Vinyl Acetate	5.16	43	12213m	0.094	ppbv
24) 1,1-Dichloroethane	5.09	63	10623	0.107	ppbv 98
25) Ethyl Acetate	5.79	43	15649	0.092	ppbv # 93
26) Hexane	5.77	57	7026m	0.093	ppbv
27) Carbon Disulfide	4.62	76	8332m	0.093	ppbv
28) Methyl tert-Butyl Ether	5.14	73	8441m	0.078	ppbv
29) Chloroform	5.85	83	13168	0.102	ppbv 90
30) Cyclohexane	7.25	84	2365m	0.040	ppbv
31) cis-1,2-Dichloroethene	5.64	61	6380m	0.085	ppbv
32) 1,1,1-Trichloroethane	6.62	97	12261m	0.099	ppbv
34) 2-Butanone	5.35	43	8564	0.080	ppbv 96
35) Carbon Tetrachloride	7.13	117	12398m	0.098	ppbv
36) Benzene	7.00	78	10914m	0.073	ppbv
37) 1,2-Dichloroethane	6.41	62	9778m	0.097	ppbv
38) Trichloroethene	7.96	130	4851m	0.086	ppbv
39) 1,2-Dichloropropane	7.73	63	5757m	0.098	ppbv
41) Tetrahydrofuran	6.19	42	3483m	0.059	ppbv
42) Bromodichloromethane	7.92	83	12740m	0.093	ppbv
43) Methyl Methacrylate	8.15	69	3068m	0.050	ppbv
44) 2,2,4-Trimethylpentane	7.99	57	13737	0.052	ppbv # 73
45) t-1,3-Dichloropropene	9.41	75	3801m	0.051	ppbv
46) cis-1,3-Dichloropropene	8.83	75	4832m	0.055	ppbv

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47) 1,1,2-Trichloroethane	9.61	97	6513m	0.098	ppbv	
48) Dibromochloromethane	10.45	129	8021m	0.071	ppbv	
49) Bromoform	13.19	173	6570	0.061	ppbv	91
50) 4-Methyl-2-Pentanone	8.90	43	10197m	0.065	ppbv	
51) 2-Hexanone	10.31	43	6101m	0.052	ppbv	
52) Tetrachloroethene	11.36	164	4669m	0.082	ppbv	
53) Toluene	9.94	91	8491m	0.049	ppbv	
54) 1,2-Dibromoethane	10.75	107	7616m	0.073	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.28	131	6793m	0.082	ppbv	
57) Chlorobenzene	12.29	112	14457m	0.103	ppbv	
58) Ethyl Benzene	12.86	91	11789	0.049	ppbv	96
59) m/p-Xylene	13.13	91	22447m	0.104	ppbv	
60) o-Xylene	13.84	91	10432m	0.050	ppbv	
61) Styrene	13.69	104	6124m	0.043	ppbv	
62) Isopropylbenzene	14.82	105	18666	0.063	ppbv	90
63) 1,1,2,2-Tetrachloroethane	13.83	83	14361m	0.094	ppbv	
64) n-propylbenzene	15.72	120	2748m	0.037	ppbv	
65) tert-Butylbenzene	16.90	119	8576m	0.033	ppbv	
67) sec-Butylbenzene	17.46	105	17407m	0.047	ppbv	
69) p-Isopropyltoluene	17.82	119	10269m	0.034	ppbv	
70) n-Butylbenzene	18.71	91	13775m	0.043	ppbv	
71) 2-Chlorotoluene	15.61	91	11913m	0.053	ppbv	
72) 4-Ethyltoluene	16.00	105	9372m	0.040	ppbv	
73) 1,3,5-Trimethylbenzene	16.16	105	8875m	0.040	ppbv	
74) 1,2,4-Trimethylbenzene	16.92	105	9484m	0.040	ppbv	
75) 1,3-Dichlorobenzene	17.16	146	14612m	0.099	ppbv	
76) 1,4-Dichlorobenzene	17.30	146	10222m	0.071	ppbv	
77) 1,2-Dichlorobenzene	17.99	146	8524m	0.061	ppbv	
78) Hexachloro-1,3-Butadiene	23.54	225	10465m	0.112	ppbv	
81) 1,2,4-Trichlorobenzene	22.14	180	4259m	0.037	ppbv	

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

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