

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034243.D
 Acq On : 8 Oct 2019 4:58
 Operator : SY/AP
 Sample : K5222-04
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 V-4

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 5:06:21 PM

Quant Time: Oct 09 04:35:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	948732	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.22	114	1799187	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.15	117	1808948	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.49	95	1570462	9.99	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	93426	0.667	ppbv #	87
3) Chlorodifluoromethane	2.97	51	45072m	0.405	ppbv	
4) Chloromethane	3.12	50	36715	0.562	ppbv	97
5) Vinyl Chloride	3.24	62	6487	0.109	ppbv #	67
9) Propene	2.99	41	1073163	19.554	ppbv	97
10) Heptane	8.17	43	638586	4.465	ppbv	99
11) Trichlorofluoromethane	3.95	101	34464	0.270	ppbv	91
13) Ethanol	3.60	45	1715406	129.077	ppbv	98
15) Acetone	3.84	43	3709866	29.176	ppbv #	87
17) tert-Butyl alcohol	4.31	59	79508	0.987	ppbv #	71
19) Isopropyl Alcohol	3.98	45	111145	1.421	ppbv #	1
20) Methylene Chloride	4.35	84	126512	3.451	ppbv	94
26) Hexane	5.71	57	992941	9.927	ppbv #	42
29) Chloroform	5.78	83	42874m	0.300	ppbv	
30) Cyclohexane	7.17	84	318800	4.415	ppbv	94
31) cis-1,2-Dichloroethene	5.58	61	20898m	0.205	ppbv	
34) 2-Butanone	5.26	43	496676m	2.704	ppbv	
35) Carbon Tetrachloride	7.06	117	9452m	0.063	ppbv	
36) Benzene	6.93	78	1497499	7.536	ppbv	93
38) Trichloroethene	7.89	130	6029m	0.085	ppbv	
44) 2,2,4-Trimethylpentane	7.92	57	1160235	3.033	ppbv #	86
50) 4-Methyl-2-Pentanone	8.80	43	154064	0.576	ppbv	99
52) Tetrachloroethene	11.29	164	34482m	0.525	ppbv	
53) Toluene	9.86	91	4223905	19.450	ppbv	98
58) Ethyl Benzene	12.78	91	835662	2.863	ppbv	95
59) m/p-Xylene	13.03	91	2318346	9.590	ppbv	99
60) o-Xylene	13.76	91	877947	3.632	ppbv	99
61) Styrene	13.60	104	113810m	0.657	ppbv	
62) Isopropylbenzene	14.74	105	52709m	0.168	ppbv	
65) tert-Butylbenzene	16.84	119	106487m	0.389	ppbv	
70) n-Butylbenzene	18.64	91	83966m	0.228	ppbv	
72) 4-Ethyltoluene	15.91	105	329252	1.206	ppbv	96
73) 1,3,5-Trimethylbenzene	16.08	105	293895	1.114	ppbv	98
74) 1,2,4-Trimethylbenzene	16.84	105	1018097	3.634	ppbv #	70
79) Naphthalene	22.31	128	160992m	0.653	ppbv	
80) Naphthalene,2-methyl-	25.05	142	24115m	0.210	ppbv	

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

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