

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100219\
 Data File : VL034216.D
 Acq On : 2 Oct 2019 18:32
 Operator : SY/AP
 Sample : K5106-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:30:13 PM

Quant Time: Oct 04 02:00:47 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18

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	5.70	49	938104	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	1745703	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	1809810	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1576133	10.02	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.02	85	32707	0.236	ppbv	99
3) Chlorodifluoromethane	2.96	51	11597m	0.105	ppbv	
4) Chloromethane	3.12	50	58872	0.911	ppbv	95
5) Vinyl Chloride	3.24	62	12522	0.212	ppbv	98
7) Chloroethane	3.55	64	5768m	0.279	ppbv	
9) Propene	2.99	41	3685618	67.915	ppbv	97
10) Heptane	8.18	43	3025155	21.389	ppbv	98
11) Trichlorofluoromethane	3.96	101	38886	0.308	ppbv	96
13) Ethanol	3.61	45	321561	24.470	ppbv	96
15) Acetone	3.85	43	6099358	48.511	ppbv #	68
17) tert-Butyl alcohol	4.30	59	971284	12.192	ppbv	99
19) Isopropyl Alcohol	3.98	45	170353	2.203	ppbv #	95
20) Methylene Chloride	4.36	84	100855	2.782	ppbv	95
26) Hexane	5.72	57	609107	6.159	ppbv #	40
27) Carbon Disulfide	4.56	76	526694	5.774	ppbv	97
29) Chloroform	5.79	83	2315985	16.387	ppbv	98
30) Cyclohexane	7.18	84	213627	2.992	ppbv	86
34) 2-Butanone	5.27	43	2802092	15.720	ppbv	94
35) Carbon Tetrachloride	7.07	117	7572m	0.052	ppbv	
36) Benzene	6.93	78	1054245	5.468	ppbv	94
38) Trichloroethene	7.89	130	30630m	0.445	ppbv	
41) Tetrahydrofuran	6.09	42	33213m	0.331	ppbv	
43) Methyl Methacrylate	8.06	69	90514m	1.136	ppbv	
44) 2,2,4-Trimethylpentane	7.92	57	1229260	3.312	ppbv #	80
50) 4-Methyl-2-Pentanone	8.80	43	184084	0.710	ppbv	89
51) 2-Hexanone	10.19	43	544262	2.500	ppbv #	75
52) Tetrachloroethene	11.30	164	1327356	20.838	ppbv	94
53) Toluene	9.87	91	2751726	13.059	ppbv	100
58) Ethyl Benzene	12.79	91	400641	1.372	ppbv	92
59) m/p-Xylene	13.04	91	903563	3.736	ppbv	98
60) o-Xylene	13.77	91	362711	1.500	ppbv	96
62) Isopropylbenzene	14.75	105	41534m	0.133	ppbv	
64) n-propylbenzene	15.64	120	25934	0.327	ppbv #	53
65) tert-Butylbenzene	16.85	119	40481	0.148	ppbv #	66
69) p-Isopropyltoluene	17.74	119	55418m	0.175	ppbv	
70) n-Butylbenzene	18.64	91	51561m	0.140	ppbv	
72) 4-Ethyltoluene	15.92	105	132170	0.484	ppbv #	97
73) 1,3,5-Trimethylbenzene	16.08	105	128951	0.488	ppbv	98
74) 1,2,4-Trimethylbenzene	16.85	105	374865	1.337	ppbv #	67
79) Naphthalene	22.32	128	33283m	0.135	ppbv	

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

