

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100219\
 Data File : VL034208.D
 Acq On : 2 Oct 2019 13:12
 Operator : SY/AP
 Sample : K5106-05
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-5

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:29:20 PM

Quant Time: Oct 04 01:47:34 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	1132868	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	1936261	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	1975262	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1723837	10.04	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	27702	0.166	ppbv	100
3) Chlorodifluoromethane	2.97	51	24698m	0.186	ppbv	
4) Chloromethane	3.12	50	194384	2.490	ppbv	95
5) Vinyl Chloride	3.25	62	15120	0.212	ppbv #	88
7) Chloroethane	3.56	64	6256m	0.251	ppbv	
9) Propene	2.99	41	5019334	76.591	ppbv	92
10) Heptane	8.18	43	906360	5.307	ppbv	95
11) Trichlorofluoromethane	3.96	101	47040m	0.309	ppbv	
13) Ethanol	3.61	45	583906	36.795	ppbv	98
15) Acetone	3.85	43	7310385m	48.147	ppbv	
17) tert-Butyl alcohol	4.31	59	1174199	12.205	ppbv	98
19) Isopropyl Alcohol	3.98	45	315330	3.377	ppbv #	95
20) Methylene Chloride	4.36	84	94937	2.169	ppbv #	88
26) Hexane	5.72	57	706832	5.918	ppbv #	40
27) Carbon Disulfide	4.56	76	1066646	9.683	ppbv	99
29) Chloroform	5.79	83	1981525	11.610	ppbv	98
30) Cyclohexane	7.18	84	132373	1.535	ppbv #	87
32) 1,1,1-Trichloroethane	6.56	97	8636m	0.052	ppbv	
34) 2-Butanone	5.27	43	3322601	16.806	ppbv	95
35) Carbon Tetrachloride	7.07	117	6714m	0.042	ppbv	
36) Benzene	6.94	78	2637630	12.334	ppbv	99
38) Trichloroethene	7.90	130	16515m	0.216	ppbv	
41) Tetrahydrofuran	6.09	42	36343m	0.326	ppbv	
43) Methyl Methacrylate	8.07	69	75037m	0.849	ppbv	
44) 2,2,4-Trimethylpentane	7.92	57	390994	0.950	ppbv #	54
50) 4-Methyl-2-Pentanone	8.80	43	236372	0.822	ppbv	94
51) 2-Hexanone	10.19	43	527968	2.186	ppbv #	96
52) Tetrachloroethene	11.30	164	1501111	21.246	ppbv	95
53) Toluene	9.87	91	2304316	9.860	ppbv	100
58) Ethyl Benzene	12.79	91	489172m	1.535	ppbv	
59) m/p-Xylene	13.04	91	1134539m	4.298	ppbv	
60) o-Xylene	13.77	91	440013	1.667	ppbv	96
61) Styrene	13.61	104	43403m	0.230	ppbv	
62) Isopropylbenzene	14.74	105	50184m	0.147	ppbv	
64) n-propylbenzene	15.64	120	36936m	0.427	ppbv	
65) tert-Butylbenzene	16.85	119	58655m	0.196	ppbv	
69) p-Isopropyltoluene	17.73	119	58287m	0.169	ppbv	
70) n-Butylbenzene	18.64	91	72808m	0.181	ppbv	
72) 4-Ethyltoluene	15.92	105	186617	0.626	ppbv	97
73) 1,3,5-Trimethylbenzene	16.08	105	158402m	0.550	ppbv	
74) 1,2,4-Trimethylbenzene	16.84	105	549730	1.797	ppbv #	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	22.30	128	55553m	0.206	ppbv	

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

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