

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100219\
 Data File : VL034209.D
 Acq On : 2 Oct 2019 13:53
 Operator : SY/AP
 Sample : K5106-05DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-5DUP

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:29:28 PM

Quant Time: Oct 04 01:48:07 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	1010018	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	1871639	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	1870954	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1646346	10.13	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	25492	0.171	ppbv	93
3) Chlorodifluoromethane	2.98	51	14662m	0.124	ppbv	
4) Chloromethane	3.12	50	184229	2.647	ppbv	91
5) Vinyl Chloride	3.25	62	13480	0.212	ppbv	99
7) Chloroethane	3.56	64	6805m	0.306	ppbv	
9) Propene	2.99	41	4907647	83.995	ppbv	93
10) Heptane	8.18	43	862063	5.661	ppbv	95
11) Trichlorofluoromethane	3.95	101	44977	0.331	ppbv	97
13) Ethanol	3.60	45	592332	41.866	ppbv	97
15) Acetone	3.85	43	7148512	52.807	ppbv #	70
17) tert-Butyl alcohol	4.30	59	1132871	13.208	ppbv	98
19) Isopropyl Alcohol	3.98	45	311840	3.746	ppbv #	95
20) Methylene Chloride	4.36	84	105474	2.702	ppbv #	92
26) Hexane	5.72	57	684932	6.432	ppbv #	40
27) Carbon Disulfide	4.56	76	1028828	10.476	ppbv	98
29) Chloroform	5.79	83	1905555	12.523	ppbv	98
30) Cyclohexane	7.18	84	133351m	1.735	ppbv	
32) 1,1,1-Trichloroethane	6.56	97	8343m	0.057	ppbv	
34) 2-Butanone	5.27	43	3164562	16.559	ppbv	93
35) Carbon Tetrachloride	7.07	117	5414m	0.035	ppbv	
36) Benzene	6.94	78	2627914	12.713	ppbv	99
38) Trichloroethene	7.89	130	15037m	0.204	ppbv	
41) Tetrahydrofuran	6.08	42	38046m	0.353	ppbv	
43) Methyl Methacrylate	8.07	69	62364	0.730	ppbv #	8
44) 2,2,4-Trimethylpentane	7.92	57	378621	0.951	ppbv #	52
50) 4-Methyl-2-Pentanone	8.80	43	229089	0.824	ppbv	98
51) 2-Hexanone	10.19	43	526115	2.254	ppbv #	99
52) Tetrachloroethene	11.30	164	1508061	22.082	ppbv	95
53) Toluene	9.87	91	2288257	10.129	ppbv	98
58) Ethyl Benzene	12.79	91	489069	1.620	ppbv #	89
59) m/p-Xylene	13.04	91	1087158	4.348	ppbv	98
60) o-Xylene	13.77	91	446603	1.786	ppbv	99
61) Styrene	13.60	104	42441m	0.237	ppbv	
62) Isopropylbenzene	14.74	105	48510m	0.150	ppbv	
64) n-propylbenzene	15.64	120	36854m	0.450	ppbv	
65) tert-Butylbenzene	16.84	119	58326m	0.206	ppbv	
69) p-Isopropyltoluene	17.74	119	60027m	0.183	ppbv	
70) n-Butylbenzene	18.64	91	78318m	0.205	ppbv	
72) 4-Ethyltoluene	15.93	105	198354m	0.702	ppbv	
73) 1,3,5-Trimethylbenzene	16.08	105	163127m	0.598	ppbv	
74) 1,2,4-Trimethylbenzene	16.84	105	536314	1.851	ppbv #	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	22.31	128	48670m	0.191	ppbv	

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

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