

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100219\
 Data File : VL034212.D
 Acq On : 2 Oct 2019 15:54
 Operator : SY/AP
 Sample : K5106-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-2

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:29:44 PM

Quant Time: Oct 03 07:06:08 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	1004082	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1838754	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	1896259	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1681099	10.20	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds

					Ovalue	
2) Dichlorodifluoromethane	3.03	85	21889	0.148	ppbv	# 87
4) Chloromethane	3.12	50	176283	2.548	ppbv	92
5) Vinyl Chloride	3.25	62	45287	0.716	ppbv	99
7) Chloroethane	3.56	64	10181	0.461	ppbv	93
9) Propene	2.99	41	3493761	60.150	ppbv	100
10) Heptane	8.18	43	448697	2.964	ppbv	94
11) Trichlorofluoromethane	3.95	101	36774	0.272	ppbv	88
13) Ethanol	3.61	45	2307356	164.048	ppbv	98
15) Acetone	3.84	43	5436133m	40.395	ppbv	
17) tert-Butyl alcohol	4.31	59	1056641	12.392	ppbv	100
19) Isopropyl Alcohol	3.98	45	1223255	14.782	ppbv	# 1
20) Methylene Chloride	4.36	84	177222	4.568	ppbv	96
26) Hexane	5.72	57	741749	7.007	ppbv	# 69
27) Carbon Disulfide	4.56	76	3484036	35.686	ppbv	97
29) Chloroform	5.79	83	39518	0.261	ppbv	92
30) Cyclohexane	7.18	84	586635	7.676	ppbv	98
32) 1,1,1-Trichloroethane	6.56	97	4902m	0.034	ppbv	
34) 2-Butanone	5.27	43	2223683	11.844	ppbv	95
35) Carbon Tetrachloride	7.08	117	5872m	0.038	ppbv	
36) Benzene	6.93	78	410391	2.021	ppbv	95
37) 1,2-Dichloroethane	6.35	62	100808	0.698	ppbv	99
38) Trichloroethene	7.89	130	14403m	0.198	ppbv	
41) Tetrahydrofuran	6.09	42	27467m	0.260	ppbv	
43) Methyl Methacrylate	8.06	69	48359m	0.576	ppbv	
44) 2,2,4-Trimethylpentane	7.92	57	265488	0.679	ppbv	# 1
50) 4-Methyl-2-Pentanone	8.80	43	182564	0.668	ppbv	97
51) 2-Hexanone	10.19	43	232347	1.013	ppbv	# 88
52) Tetrachloroethene	11.30	164	1126584	16.791	ppbv	96
53) Toluene	9.87	91	2280190	10.274	ppbv	98
58) Ethyl Benzene	12.79	91	385552	1.260	ppbv	90
59) m/p-Xylene	13.04	91	943270	3.722	ppbv	100
60) o-Xylene	13.77	91	399827	1.578	ppbv	98
61) Styrene	13.61	104	111200m	0.613	ppbv	
62) Isopropylbenzene	14.74	105	47337m	0.144	ppbv	
64) n-propylbenzene	15.65	120	29613m	0.357	ppbv	
65) tert-Butylbenzene	16.85	119	50123m	0.175	ppbv	
69) p-Isopropyltoluene	17.74	119	63533m	0.191	ppbv	
70) n-Butylbenzene	18.63	91	59534m	0.154	ppbv	
72) 4-Ethyltoluene	15.92	105	161407m	0.564	ppbv	
73) 1,3,5-Trimethylbenzene	16.08	105	144319m	0.522	ppbv	
74) 1,2,4-Trimethylbenzene	16.84	105	460827m	1.569	ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	22.32	128	87324	0.338	ppbv #	90

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

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