

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033905.D
 Acq On : 13 Jun 2019 20:06
 Operator : SY/AP
 Sample : K3357-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 SG-2R-20190612

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 12:37:08 AM

Quant Time: Jun 14 07:03:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	871587	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.29	114	2026726	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.23	117	2420760	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1881033	9.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	20624m	0.146	ppbv	
3) Chlorodifluoromethane	3.00	51	66710m	0.650	ppbv	
4) Chloromethane	3.16	50	29553m	0.505	ppbv	
9) Propene	3.03	41	300287	7.821	ppbv	99
10) Heptane	8.23	43	68887	0.710	ppbv	99
11) Trichlorofluoromethane	3.99	101	52783	0.289	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	12630	0.102	ppbv #	81
13) Ethanol	3.67	45	508021	40.669	ppbv	96
15) Acetone	3.89	43	26101789m	205.336	ppbv	
17) tert-Butyl alcohol	4.37	59	1279390	12.875	ppbv	98
19) Isopropyl Alcohol	4.04	45	2184345	30.080	ppbv #	94
20) Methylene Chloride	4.42	84	291509	5.881	ppbv	97
23) Vinyl Acetate	5.15	43	356601	2.413	ppbv #	95
26) Hexane	5.77	57	217018	2.462	ppbv #	32
27) Carbon Disulfide	4.61	76	78298	0.639	ppbv #	79
28) Methyl tert-Butyl Ether	5.10	73	19906	0.149	ppbv #	54
29) Chloroform	5.85	83	84648	0.561	ppbv	96
32) 1,1,1-Trichloroethane	6.61	97	8120m	0.056	ppbv	
34) 2-Butanone	5.33	43	6126875	53.586	ppbv	97
35) Carbon Tetrachloride	7.13	117	15096m	0.096	ppbv	
36) Benzene	7.00	78	97231m	0.628	ppbv	
38) Trichloroethene	7.96	130	11425m	0.190	ppbv	
41) Tetrahydrofuran	6.14	42	380941	6.564	ppbv	99
44) 2,2,4-Trimethylpentane	7.97	57	235342	0.855	ppbv #	85
50) 4-Methyl-2-Pentanone	8.86	43	88545	0.519	ppbv	98
51) 2-Hexanone	10.25	43	738805	5.549	ppbv #	99
52) Tetrachloroethene	11.36	164	92302	1.694	ppbv	93
53) Toluene	9.94	91	738591	4.311	ppbv	98
58) Ethyl Benzene	12.85	91	102305	0.375	ppbv	96
59) m/p-Xylene	13.10	91	266895	1.075	ppbv	100
60) o-Xylene	13.83	91	141022	0.550	ppbv	99
61) Styrene	13.67	104	57687m	0.348	ppbv	
62) Isopropylbenzene	14.81	105	85993	0.249	ppbv	97
64) n-propylbenzene	15.70	120	100188	1.133	ppbv	93
72) 4-Ethyltoluene	15.99	105	583375	2.001	ppbv	98
73) 1,3,5-Trimethylbenzene	16.14	105	440074	1.532	ppbv	94
74) 1,2,4-Trimethylbenzene	16.91	105	1047478	3.164	ppbv #	76
79) Naphthalene	22.39	128	43826m	0.166	ppbv	
80) Naphthalene,2-methyl-	25.10	142	11641	0.110	ppbv #	88

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

