

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033911.D
 Acq On : 14 Jun 2019 00:10
 Operator : SY/AP
 Sample : K3357-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3R-20190612-1

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 12:37:18 AM

Quant Time: Jun 14 14:01:22 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	936605	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.29	114	2078693	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2425864	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1767817	8.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	18348m	0.121	ppbv	
3) Chlorodifluoromethane	3.01	51	40357m	0.366	ppbv	
4) Chloromethane	3.16	50	37617	0.598	ppbv #	88
7) Chloroethane	3.60	64	10611	0.460	ppbv	95
9) Propene	3.03	41	369924	8.966	ppbv	96
10) Heptane	8.23	43	268318	2.573	ppbv	98
11) Trichlorofluoromethane	3.99	101	56001	0.286	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.55	101	14383m	0.109	ppbv	
13) Ethanol	3.66	45	460264	34.288	ppbv	97
15) Acetone	3.89	43	26422729m	193.432	ppbv	
17) tert-Butyl alcohol	4.36	59	3362676	31.491	ppbv	99
19) Isopropyl Alcohol	4.03	45	3587517	45.973	ppbv #	94
20) Methylene Chloride	4.42	84	72062	1.353	ppbv	93
27) Carbon Disulfide	4.61	76	513030	3.899	ppbv	97
30) Cyclohexane	7.23	84	56095	0.838	ppbv	95
32) 1,1,1-Trichloroethane	6.62	97	10524m	0.067	ppbv	
34) 2-Butanone	5.33	43	6213838	52.988	ppbv	97
35) Carbon Tetrachloride	7.13	117	17829m	0.111	ppbv	
36) Benzene	7.00	78	405612	2.554	ppbv	97
38) Trichloroethene	7.96	130	35355	0.572	ppbv #	85
41) Tetrahydrofuran	6.14	42	496020	8.334	ppbv	98
44) 2,2,4-Trimethylpentane	7.98	57	411887	1.459	ppbv #	81
50) 4-Methyl-2-Pentanone	8.86	43	199416	1.140	ppbv	94
51) 2-Hexanone	10.25	43	778046	5.698	ppbv #	96
52) Tetrachloroethene	11.36	164	271936	4.867	ppbv	92
53) Toluene	9.94	91	1445161	8.224	ppbv	99
58) Ethyl Benzene	12.85	91	209187	0.765	ppbv	97
59) m/p-Xylene	13.11	91	531044	2.135	ppbv	98
60) o-Xylene	13.83	91	277438	1.080	ppbv	96
61) Styrene	13.67	104	132720	0.799	ppbv	98
62) Isopropylbenzene	14.81	105	190769m	0.551	ppbv	
64) n-propylbenzene	15.71	120	186370	2.103	ppbv	99
67) sec-Butylbenzene	17.44	105	46434	0.103	ppbv	94
72) 4-Ethyltoluene	15.98	105	1063429	3.639	ppbv	98
73) 1,3,5-Trimethylbenzene	16.15	105	787624	2.736	ppbv	99
74) 1,2,4-Trimethylbenzene	16.91	105	1733866	5.226	ppbv #	74
79) Naphthalene	22.39	128	43156m	0.163	ppbv	

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

