

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
 Data File : VL032368.D
 Acq On : 16 Aug 2018 2:32
 Operator : SY/AP
 Sample : J4457-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS02-MIVI

Manual Integrations
 APPROVED

MMDadoda
 8/17/2018 2:06:49 PM

Quant Time: Aug 16 22:25:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 16 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	1713062	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3613748	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	3338409	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	2514634	9.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.05	51	38398	0.24	ppbv	97
4) Chloromethane	3.21	50	14271	0.15	ppbv #	83
9) Propene	3.08	41	254431	3.75	ppbv #	76
10) Heptane	8.31	43	320215m	1.57	ppbv	
11) Trichlorofluoromethane	4.05	101	56917	0.30	ppbv	84
13) Ethanol	3.70	45	601788	34.50	ppbv	94
15) Acetone	3.94	43	10304033	63.31	ppbv	99
17) tert-Butyl alcohol	4.41	59	276054m	10.11	ppbv	
19) Isopropyl Alcohol	4.08	45	738599	6.74	ppbv #	95
20) Methylene Chloride	4.46	84	185996	3.03	ppbv	91
26) Hexane	5.83	57	457746	2.94	ppbv #	53
27) Carbon Disulfide	4.67	76	46867	0.32	ppbv #	85
29) Chloroform	5.91	83	2058477	9.03	ppbv	100
30) Cyclohexane	7.31	84	198461	1.68	ppbv #	75
32) 1,1,1-Trichloroethane	6.67	97	12926m	0.06	ppbv	
34) 2-Butanone	5.38	43	962995	3.92	ppbv	99
35) Carbon Tetrachloride	7.19	117	334896	1.57	ppbv	98
36) Benzene	7.07	78	250613	0.82	ppbv	96
38) Trichloroethene	8.02	130	8609m	0.08	ppbv	
44) 2,2,4-Trimethylpentane	8.05	57	67761	0.12	ppbv #	18
50) 4-Methyl-2-Pentanone	8.94	43	131830	0.37	ppbv	97
51) 2-Hexanone	10.34	43	172688	0.69	ppbv #	92
52) Tetrachloroethene	11.45	164	5473475	60.58	ppbv	94
53) Toluene	10.02	91	4223338	12.58	ppbv	100
58) Ethyl Benzene	12.93	91	394973	0.98	ppbv	98
59) m/p-Xylene	13.19	91	1731473	5.07	ppbv	99
60) o-Xylene	13.92	91	815359	2.43	ppbv	99
61) Styrene	13.75	104	90109m	0.38	ppbv	
62) Isopropylbenzene	14.89	105	65164	0.14	ppbv	94
64) n-propylbenzene	15.79	120	27480m	0.22	ppbv	
67) sec-Butylbenzene	17.53	105	91405m	0.15	ppbv	
70) n-Butylbenzene	18.79	91	106600m	0.21	ppbv	
72) 4-Ethyltoluene	16.06	105	133324	0.36	ppbv	96
73) 1,3,5-Trimethylbenzene	16.22	105	663266	1.84	ppbv	96
74) 1,2,4-Trimethylbenzene	16.99	105	1108333	2.90	ppbv #	71
79) Naphthalene	22.49	128	551076	1.82	ppbv	98
80) Naphthalene,2-methyl-	25.16	142	71939	0.94	ppbv	97

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

