

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022820\
 Data File : VL034751.D
 Acq On : 29 Feb 2020 00:28
 Operator : SY/AP
 Sample : L1661-09
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 SG-9-TROPHY-CASE

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 1:02:13 PM

Quant Time: Mar 02 12:24:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1048076	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2183299	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2203894	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1854043	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	92708	0.561	ppbv	89
4) Chloromethane	3.11	50	37343	0.590	ppbv	93
7) Chloroethane	3.53	64	18611	0.807	ppbv #	79
9) Propene	2.98	41	144926m	3.065	ppbv	
10) Heptane	8.14	43	103184m	0.848	ppbv	
11) Trichlorofluoromethane	3.93	101	36706	0.253	ppbv	92
13) Ethanol	3.59	45	1785165	119.520	ppbv	97
15) Acetone	3.82	43	2333832	19.542	ppbv	99
17) tert-Butyl alcohol	4.29	59	442447	4.835	ppbv	99
19) Isopropyl Alcohol	3.96	45	3389730	47.651	ppbv #	98
20) Methylene Chloride	4.33	84	190326	4.285	ppbv	92
26) Hexane	5.68	57	190198	1.952	ppbv #	54
29) Chloroform	5.75	83	41842	0.270	ppbv #	79
30) Cyclohexane	7.13	84	30006	0.397	ppbv #	86
31) cis-1,2-Dichloroethene	5.55	61	15777	0.165	ppbv #	85
34) 2-Butanone	5.24	43	372638	2.712	ppbv	99
35) Carbon Tetrachloride	7.02	117	10174m	0.070	ppbv	
36) Benzene	6.90	78	89753	0.476	ppbv	98
38) Trichloroethene	7.85	130	420999	5.792	ppbv	91
41) Tetrahydrofuran	6.05	42	171197	2.360	ppbv	97
44) 2,2,4-Trimethylpentane	7.88	57	228616	0.694	ppbv #	79
50) 4-Methyl-2-Pentanone	8.76	43	130368	0.670	ppbv	95
52) Tetrachloroethene	11.24	164	22811m	0.330	ppbv	
53) Toluene	9.83	91	1547249	7.715	ppbv	99
58) Ethyl Benzene	12.74	91	295650	1.109	ppbv	92
59) m/p-Xylene	13.00	91	883816	3.800	ppbv	99
60) o-Xylene	13.73	91	355815	1.542	ppbv	99
61) Styrene	13.56	104	25739m	0.174	ppbv	
64) n-propylbenzene	15.60	120	22272m	0.257	ppbv	
69) p-Isopropyltoluene	17.69	119	601541m	1.747	ppbv	
70) n-Butylbenzene	18.61	91	41273m	0.110	ppbv	
72) 4-Ethyltoluene	15.88	105	119694	0.466	ppbv #	95
73) 1,3,5-Trimethylbenzene	16.04	105	109943	0.445	ppbv	95
74) 1,2,4-Trimethylbenzene	16.80	105	441947	1.620	ppbv #	68
76) 1,4-Dichlorobenzene	17.19	146	27710m	0.176	ppbv	
79) Naphthalene	22.26	128	50503m	0.210	ppbv	

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

