

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022620\
 Data File : VL034699.D
 Acq On : 26 Feb 2020 22:34
 Operator : SY/AP
 Sample : L1663-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EP-103

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 5:20:11 PM

Quant Time: Feb 27 16:03:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 27 16:03:54 2020
 QLast Update : Wed Feb 26 06:58:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	977588	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2026667	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.13	117	2176031	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1735134	9.72	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	19613m	0.127	ppbv	
3) Chlorodifluoromethane	2.95	51	29422m	0.279	ppbv	
4) Chloromethane	3.11	50	31704	0.537	ppbv	99
9) Propene	2.99	41	28822	0.654	ppbv	89
10) Heptane	8.15	43	165736	1.460	ppbv	100
11) Trichlorofluoromethane	3.93	101	36128	0.267	ppbv #	80
13) Ethanol	3.63	45	15277093	1096.582	ppbv	92
15) Acetone	3.83	43	3550069	31.869	ppbv	97
17) tert-Butyl alcohol	4.34	59	756338m	8.860	ppbv	
19) Isopropyl Alcohol	4.00	45	7571329	114.107	ppbv #	98
20) Methylene Chloride	4.33	84	132948	3.209	ppbv	95
26) Hexane	5.69	57	237594	2.614	ppbv #	56
28) Methyl tert-Butyl Ether	5.01	73	96854m	0.746	ppbv	
29) Chloroform	5.76	83	17683m	0.122	ppbv	
30) Cyclohexane	7.16	84	61810m	0.878	ppbv	
34) 2-Butanone	5.24	43	467851	3.668	ppbv	99
35) Carbon Tetrachloride	7.03	117	12074m	0.089	ppbv	
36) Benzene	6.91	78	197993	1.131	ppbv	93
38) Trichloroethene	7.86	130	20309m	0.301	ppbv	
41) Tetrahydrofuran	6.06	42	201191	2.988	ppbv	100
44) 2,2,4-Trimethylpentane	7.89	57	389881	1.274	ppbv #	81
50) 4-Methyl-2-Pentanone	8.78	43	126522	0.700	ppbv	97
52) Tetrachloroethene	11.26	164	16618m	0.259	ppbv	
53) Toluene	9.84	91	1717770	9.227	ppbv	100
58) Ethyl Benzene	12.76	91	467881	1.777	ppbv	97
59) m/p-Xylene	13.01	91	1360965	5.927	ppbv	98
60) o-Xylene	13.74	91	536454	2.354	ppbv	99
61) Styrene	13.57	104	37616m	0.257	ppbv	
62) Isopropylbenzene	14.72	105	32433m	0.098	ppbv	
64) n-propylbenzene	15.62	120	28853m	0.337	ppbv	
69) p-Isopropyltoluene	17.72	119	821988	2.418	ppbv	99
70) n-Butylbenzene	18.63	91	60498m	0.163	ppbv	
72) 4-Ethyltoluene	15.89	105	164397	0.648	ppbv	95
73) 1,3,5-Trimethylbenzene	16.06	105	152866	0.627	ppbv	92
74) 1,2,4-Trimethylbenzene	16.82	105	615615	2.285	ppbv #	69
76) 1,4-Dichlorobenzene	17.20	146	46362m	0.298	ppbv	
79) Naphthalene	22.29	128	88652m	0.374	ppbv	

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

