

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022720\
 Data File : VL034722.D
 Acq On : 27 Feb 2020 23:56
 Operator : SY/AP
 Sample : L1661-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2-MUSIC-RM

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 3:29:18 PM

Quant Time: Feb 28 11:45:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 28 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	5.66	49	1066898	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2246154	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2241818	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1876918	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	21916m	0.130	ppbv	
4) Chloromethane	3.11	50	18392	0.285	ppbv #	59
5) Vinyl Chloride	3.22	62	3105m	0.049	ppbv	
7) Chloroethane	3.53	64	5916	0.252	ppbv #	88
9) Propene	2.99	41	56887m	1.182	ppbv	
10) Heptane	8.13	43	77324	0.624	ppbv	96
11) Trichlorofluoromethane	3.93	101	44411	0.301	ppbv	93
13) Ethanol	3.59	45	3839460	252.524	ppbv	99
15) Acetone	3.82	43	2685607	22.090	ppbv	98
17) tert-Butyl alcohol	4.29	59	613545	6.586	ppbv	100
19) Isopropyl Alcohol	3.96	45	5170609	71.403	ppbv #	98
20) Methylene Chloride	4.33	84	31347m	0.693	ppbv	
22) trans-1,2-Dichloroethene	4.88	96	6135m	0.135	ppbv	
26) Hexane	5.69	57	93608	0.944	ppbv #	74
29) Chloroform	5.75	83	74716	0.473	ppbv	96
30) Cyclohexane	7.14	84	34838m	0.453	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	270003	2.766	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	20494m	0.139	ppbv	
34) 2-Butanone	5.24	43	422447	2.988	ppbv	97
35) Carbon Tetrachloride	7.02	117	12945m	0.086	ppbv	
36) Benzene	6.90	78	98689	0.509	ppbv	97
38) Trichloroethene	7.85	130	690641	9.236	ppbv	97
41) Tetrahydrofuran	6.05	42	205902	2.759	ppbv	99
44) 2,2,4-Trimethylpentane	7.89	57	250177m	0.738	ppbv	
50) 4-Methyl-2-Pentanone	8.77	43	122395	0.611	ppbv	94
52) Tetrachloroethene	11.25	164	12076	0.170	ppbv #	56
53) Toluene	9.83	91	1011177	4.901	ppbv	100
58) Ethyl Benzene	12.74	91	266005	0.981	ppbv	97
59) m/p-Xylene	13.00	91	781005	3.301	ppbv	100
60) o-Xylene	13.73	91	322368	1.373	ppbv	98
61) Styrene	13.56	104	23249m	0.154	ppbv	
64) n-propylbenzene	15.61	120	18383m	0.208	ppbv	
69) p-Isopropyltoluene	17.70	119	534901	1.527	ppbv	96
70) n-Butylbenzene	18.61	91	45134m	0.118	ppbv	
72) 4-Ethyltoluene	15.88	105	113951m	0.436	ppbv	
73) 1,3,5-Trimethylbenzene	16.04	105	87605	0.349	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	386022	1.391	ppbv #	70
76) 1,4-Dichlorobenzene	17.18	146	30488	0.190	ppbv	89
79) Naphthalene	22.27	128	70457m	0.288	ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

