

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036621.D
 Acq On : 1 Apr 2021 4:08
 Operator : SY/AP
 Sample : M1841-08DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 PBS-OA-1DUP

Manual Integrations
 APPROVED

MMDadoda
 4/2/2021 6:54:14 PM

Quant Time: Apr 02 15:50:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 2
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1489839	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3523865	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.11	117	3163909	10.00	ppbv	0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.44	95	2504280	9.93	ppbv	0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	53829m	0.222	ppbv	
3) Chlorodifluoromethane	3.00	51	89199	0.320	ppbv #	88
4) Chloromethane	3.15	50	44159	0.449	ppbv	96
9) Propene	3.02	41	239925	2.704	ppbv	89
10) Heptane	8.14	43	103540	0.458	ppbv	99
11) Trichlorofluoromethane	3.96	101	42971	0.174	ppbv	97
13) Ethanol	3.62	45	1444639	136.708	ppbv	93
15) Acetone	3.86	43	21476763	146.464	ppbv #	69
17) tert-Butyl alcohol	4.31	59	1963009	15.378	ppbv	98
19) Isopropyl Alcohol	3.99	45	587105	7.278	ppbv #	89
20) Methylene Chloride	4.36	84	868885	12.656	ppbv	94
26) Hexane	5.70	57	1679209	10.380	ppbv #	47
28) Methyl tert-Butyl Ether	5.05	73	36297m	0.190	ppbv	
30) Cyclohexane	7.14	84	34050m	0.260	ppbv	
34) 2-Butanone	5.26	43	2966313	17.245	ppbv	96
35) Carbon Tetrachloride	7.03	117	15235m	0.056	ppbv	
36) Benzene	6.91	78	114786m	0.353	ppbv	
41) Tetrahydrofuran	6.08	42	66805m	0.842	ppbv	
44) 2,2,4-Trimethylpentane	7.89	57	370881	0.648	ppbv	89
52) Tetrachloroethene	11.26	164	4557m	0.038	ppbv	
53) Toluene	9.83	91	1902959	5.498	ppbv	100
58) Ethyl Benzene	12.74	91	333602m	0.725	ppbv	
59) m/p-Xylene	12.99	91	1183772	2.948	ppbv	94
60) o-Xylene	13.72	91	652784m	1.682	ppbv	
61) Styrene	13.55	104	26334m	0.135	ppbv	
62) Isopropylbenzene	14.70	105	60670	0.116	ppbv	98
64) n-propylbenzene	15.58	120	38649m	0.302	ppbv	
70) n-Butylbenzene	18.58	91	95712m	0.185	ppbv	
72) 4-Ethyltoluene	15.86	105	244335	0.574	ppbv	97
73) 1,3,5-Trimethylbenzene	16.02	105	333202	0.839	ppbv	97
74) 1,2,4-Trimethylbenzene	16.78	105	1056528	2.487	ppbv #	69
79) Naphthalene	22.24	128	41087m	0.166	ppbv	

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

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