

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101719\
 Data File : VL034324.D
 Acq On : 17 Oct 2019 20:03
 Operator : SY/AP
 Sample : K5409-01DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DUP

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 2:55:11 PM

Quant Time: Oct 18 05:26:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 18 05:26:48 2019
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1067767	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	2149507	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	2197565	10.00	ppbv	0.01

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.50	95	1858490	9.99	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	40045	0.218	ppbv	96
3) Chlorodifluoromethane	2.97	51	39507m	0.316	ppbv	
4) Chloromethane	3.12	50	83563	1.129	ppbv	98
5) Vinyl Chloride	3.24	62	18007	0.255	ppbv #	88
7) Chloroethane	3.54	64	2713m	0.109	ppbv	
9) Propene	2.99	41	1538243	27.726	ppbv	97
10) Heptane	8.17	43	195290	1.371	ppbv	98
11) Trichlorofluoromethane	3.94	101	39605	0.227	ppbv	89
13) Ethanol	3.60	45	95895m	7.720	ppbv	
15) Acetone	3.84	43	8325468	54.512	ppbv #	64
17) tert-Butyl alcohol	4.30	59	98821	1.014	ppbv	97
19) Isopropyl Alcohol	3.97	45	104640	1.228	ppbv #	95
20) Methylene Chloride	4.35	84	136354	2.470	ppbv	94
22) trans-1,2-Dichloroethene	4.90	96	26361	0.527	ppbv #	92
26) Hexane	5.71	57	242624	2.208	ppbv #	40
27) Carbon Disulfide	4.56	76	521533	4.571	ppbv	98
29) Chloroform	5.79	83	112411	0.647	ppbv	91
30) Cyclohexane	7.18	84	52111m	0.645	ppbv	
31) cis-1,2-Dichloroethene	5.58	61	999634	8.962	ppbv	96
34) 2-Butanone	5.26	43	1283557	7.306	ppbv	99
35) Carbon Tetrachloride	7.06	117	9236m	0.049	ppbv	
36) Benzene	6.93	78	460048	2.231	ppbv #	90
38) Trichloroethene	7.88	130	710853	8.589	ppbv	96
44) 2,2,4-Trimethylpentane	7.92	57	203076m	0.532	ppbv	
50) 4-Methyl-2-Pentanone	8.80	43	115937	0.461	ppbv	97
51) 2-Hexanone	10.20	43	260660	1.264	ppbv #	99
52) Tetrachloroethene	11.34	164	18261602	225.897	ppbv	92
53) Toluene	9.86	91	1703789	7.486	ppbv	100
58) Ethyl Benzene	12.79	91	552567	1.799	ppbv	98
59) m/p-Xylene	13.04	91	1601135	6.016	ppbv	99
60) o-Xylene	13.77	91	594631	2.244	ppbv	100
61) Styrene	13.61	104	40676m	0.218	ppbv	
64) n-propylbenzene	15.64	120	41192m	0.459	ppbv	
65) tert-Butylbenzene	16.85	119	49205m	0.159	ppbv	
72) 4-Ethyltoluene	15.92	105	207035	0.695	ppbv	97
73) 1,3,5-Trimethylbenzene	16.08	105	131666	0.446	ppbv	99
74) 1,2,4-Trimethylbenzene	16.85	105	432483	1.405	ppbv #	69

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

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