

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091019\
 Data File : VL034147.D
 Acq On : 10 Sep 2019 17:53
 Operator : SY/AP
 Sample : K4775-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 5:16:58 AM

Quant Time: Sep 11 03:02:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 0
 QLast Update : Thu Sep 05 10:21:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	609640	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.25	114	1378449	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.18	117	1384706	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	1237436	10.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	80767	0.803	ppbv	98
3) Chlorodifluoromethane	2.98	51	22738m	0.335	ppbv	
4) Chloromethane	3.13	50	59466	1.400	ppbv	89
5) Vinyl Chloride	3.25	62	3077	0.080	ppbv #	74
7) Chloroethane	3.56	64	9104m	0.690	ppbv	
9) Propene	3.00	41	3027294	79.620	ppbv	95
10) Heptane	8.19	43	1842129	18.669	ppbv	100
11) Trichlorofluoromethane	3.96	101	39388	0.480	ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.51	101	5933m	0.108	ppbv	
13) Ethanol	3.63	45	950864	127.659	ppbv	98
15) Acetone	3.88	43	14831944m	201.867	ppbv	
17) tert-Butyl alcohol	4.33	59	1728648	32.409	ppbv	98
19) Isopropyl Alcohol	4.00	45	2492056	50.251	ppbv #	97
20) Methylene Chloride	4.38	84	25794	1.062	ppbv #	79
26) Hexane	5.72	57	2014977	28.101	ppbv #	37
27) Carbon Disulfide	4.57	76	1201385	18.564	ppbv	99
28) Methyl tert-Butyl Ether	5.06	73	45853	0.436	ppbv #	1
29) Chloroform	5.82	83	177025	1.830	ppbv	99
30) Cyclohexane	7.19	84	569092	10.978	ppbv	88
32) 1,1,1-Trichloroethane	6.57	97	3897498	42.654	ppbv	98
34) 2-Butanone	5.29	43	6644009	50.136	ppbv #	80
36) Benzene	6.96	78	1124318	7.136	ppbv	94
37) 1,2-Dichloroethane	6.37	62	10324	0.107	ppbv #	84
38) Trichloroethene	7.91	130	128788	2.191	ppbv	92
44) 2,2,4-Trimethylpentane	7.93	57	459387	1.581	ppbv #	17
50) 4-Methyl-2-Pentanone	8.81	43	677506	3.350	ppbv	98
51) 2-Hexanone	10.21	43	3497031	20.018	ppbv #	98
52) Tetrachloroethene	11.34	164	8282439	149.075	ppbv	90
53) Toluene	9.89	91	3261009	18.713	ppbv	99
58) Ethyl Benzene	12.80	91	1297563	5.715	ppbv	95
59) m/p-Xylene	13.06	91	3614500	19.514	ppbv	98
60) o-Xylene	13.79	91	1617056	8.765	ppbv	100
61) Styrene	13.63	104	52474m	0.380	ppbv	
62) Isopropylbenzene	14.76	105	163464	0.681	ppbv	98
64) n-propylbenzene	15.66	120	116921	1.944	ppbv	77
67) sec-Butylbenzene	17.41	105	50204m	0.169	ppbv	
70) n-Butylbenzene	18.69	91	192278m	0.709	ppbv	
72) 4-Ethyltoluene	15.94	105	682813	3.280	ppbv	97
73) 1,3,5-Trimethylbenzene	16.10	105	574060	2.838	ppbv	99
74) 1,2,4-Trimethylbenzene	16.87	105	1812850	8.702	ppbv #	74
79) Naphthalene	22.34	128	136795m	0.726	ppbv	

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

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