

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091719\
 Data File : VL034172.D
 Acq On : 17 Sep 2019 5:30
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:43:57 AM

Quant Time: Sep 18 12:54:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 18 2019
 QLast Update : Tue Sep 17 05:58:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1316124	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	2208119	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	2267446	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1972201	10.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	196258	0.940 ppbv	97
3) Chlorodifluoromethane	2.98	51	166834	1.121 ppbv	96
4) Chloromethane	3.13	50	92393	1.008 ppbv #	86
5) Vinyl Chloride	3.25	62	86242	1.032 ppbv #	88
6) Bromomethane	3.47	94	39634	0.972 ppbv	97
7) Chloroethane	3.56	64	30554	1.069 ppbv	91
8) Dichlorotetrafluoroethane	3.18	85	187322	1.075 ppbv	100
9) Propene	2.99	41	80927	0.995 ppbv	98
10) Heptane	8.18	43	206816	0.975 ppbv	99
11) Trichlorofluoromethane	3.95	101	188574	1.064 ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.50	101	122505	1.040 ppbv	96
13) Ethanol	3.60	45	23062m	1.455 ppbv	
14) Bromoethene	3.74	108	49363	0.971 ppbv	99
15) Acetone	3.85	43	202630	1.275 ppbv	98
16) 1,3-Butadiene	3.32	39	77376	0.966 ppbv	100
17) tert-Butyl alcohol	4.31	59	126236m	1.102 ppbv	
18) 1,1-Dichloroethene	4.30	96	47709m	0.891 ppbv	
19) Isopropyl Alcohol	3.98	45	128654	1.210 ppbv #	98
20) Methylene Chloride	4.36	84	52856	1.016 ppbv	93
21) Allyl Chloride	4.42	41	100257	0.962 ppbv	96
22) trans-1,2-Dichloroethene	4.90	96	52498	0.976 ppbv	82
23) Vinyl Acetate	5.10	43	271112	1.014 ppbv #	96
24) 1,1-Dichloroethane	5.03	63	188040	1.055 ppbv	99
25) Ethyl Acetate	5.71	43	362043	1.043 ppbv	99
26) Hexane	5.72	57	145539	0.944 ppbv	90
27) Carbon Disulfide	4.57	76	123557	0.893 ppbv	99
28) Methyl tert-Butyl Ether	5.06	73	220880	0.988 ppbv	97
29) Chloroform	5.78	83	201462	0.968 ppbv	95
30) Cyclohexane	7.18	84	105297	0.955 ppbv	96
31) cis-1,2-Dichloroethene	5.58	61	140534	0.951 ppbv	95
32) 1,1,1-Trichloroethane	6.55	97	191595	0.973 ppbv	98
34) 2-Butanone	5.28	43	247791	1.148 ppbv	97
35) Carbon Tetrachloride	7.06	117	184030	1.055 ppbv	94
36) Benzene	6.94	78	260427	1.033 ppbv	96
37) 1,2-Dichloroethane	6.34	62	186524	1.168 ppbv	100
38) Trichloroethene	7.89	130	89641	0.948 ppbv	95
39) 1,2-Dichloropropane	7.67	63	118928m	1.092 ppbv	
40) 1,4-Dioxane	7.91	88	44248m	1.121 ppbv	
41) Tetrahydrofuran	6.10	42	135620	1.055 ppbv	96
42) Bromodichloromethane	7.85	83	217575m	1.064 ppbv	
43) Methyl Methacrylate	8.07	69	98897	0.949 ppbv	92

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44) 2,2,4-Trimethylpentane	7.92	57	523875	1.114	ppbv	99
45) t-1,3-Dichloropropene	9.34	75	110492m	0.898	ppbv	
46) cis-1,3-Dichloropropene	8.76	75	141561	0.946	ppbv	98
47) 1,1,2-Trichloroethane	9.54	97	101372	1.027	ppbv	95
48) Dibromochloromethane	10.38	129	160386	1.075	ppbv	100
49) Bromoform	13.12	173	124791m	0.963	ppbv	
50) 4-Methyl-2-Pentanone	8.81	43	366207	1.114	ppbv	95
51) 2-Hexanone	10.21	43	305252	1.077	ppbv #	95
52) Tetrachloroethene	11.30	164	79264	0.892	ppbv	93
53) Toluene	9.87	91	283418	1.015	ppbv	99
54) 1,2-Dibromoethane	10.68	107	159855	1.083	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.20	131	108850	1.107	ppbv #	1
57) Chlorobenzene	12.23	112	217804	1.113	ppbv	96
58) Ethyl Benzene	12.79	91	408264	1.096	ppbv	94
59) m/p-Xylene	13.08	91	693665m	2.282	ppbv	
60) o-Xylene	13.77	91	342965	1.131	ppbv	95
61) Styrene	13.61	104	233781	1.037	ppbv	99
62) Isopropylbenzene	14.75	105	441699	1.120	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.76	83	260728	1.054	ppbv	97
64) n-propylbenzene	15.65	120	108581	1.098	ppbv	74
65) tert-Butylbenzene	16.83	119	403200	1.182	ppbv	99
66) Benzyl Chloride	17.08	91	104896	0.850	ppbv	98
67) sec-Butylbenzene	17.38	105	572332	1.165	ppbv	97
69) p-Isopropyltoluene	17.74	119	456952	1.162	ppbv	98
70) n-Butylbenzene	18.64	91	540360	1.202	ppbv	95
71) 2-Chlorotoluene	15.54	91	363074m	1.126	ppbv	
72) 4-Ethyltoluene	15.92	105	373522	1.091	ppbv	99
73) 1,3,5-Trimethylbenzene	16.08	105	371692	1.117	ppbv	95
74) 1,2,4-Trimethylbenzene	16.84	105	408608m	1.188	ppbv	
75) 1,3-Dichlorobenzene	17.09	146	220949m	1.212	ppbv	
76) 1,4-Dichlorobenzene	17.23	146	222630	1.168	ppbv	97
77) 1,2-Dichlorobenzene	17.91	146	214503	1.151	ppbv	97
78) Hexachloro-1,3-Butadiene	23.47	225	146607m	1.166	ppbv	
79) Naphthalene	22.32	128	355548m	1.156	ppbv	
80) Naphthalene, 2-methyl-	25.06	142	169283	1.625	ppbv	99
81) 1,2,4-Trichlorobenzene	22.04	180	194134	1.155	ppbv	99

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

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